Contents

Contents 3
Quick Reference 4
Important Information 5
SAR 7
Accessories 9
Care and Maintenance 11
Getting to Know Your Phone 12
Getting Started 13
Basic Operation 17
Phonebook 22
Personalising your Phone 31
Phone Security 36
Applications 38
Infrared 43
Messages 47
Call Information 61
Advanced Operation 65
Data Folder 70
Schedule 76
Games 78
WAP Browser 79
Deactivating the Browser 83
Camera Operation 84
Additional Features 88
Text Entry 92
Troubleshooting 94
Glossary of Terms 98
Specifications 100
EU Warranty 101
Personal Settings 107
Menu Structure 108
Licencing 109
Notes 110
Index 111

Quick Reference

"Press ( ) to select".

Direction which the user can move around the display screen using the Navigation key.

Secondary Softkey.

Negative soft key/Back-key.

Numeric key pads.

Answer a call or call a dialled number.

To end a call or return to Idle screen or +Hold to switch the phone on or off.

Switches Quiet Mode on and off.

Indicates that a function is Network and/or third party service dependent.

Menu

Representation of screen menu option.

Important Information

Thank you for purchasing this Panasonic digital cellular phone. This phone is designed to operate on GSM networks - GSM900, GSM1800 and GSM1900. It also supports GPRS for packet data connections. Please ensure the battery is fully charged before use.
We, Matsushita Mobile Communications Development of Europe Ltd, declare, that the EB-GD87 conforms with the essential and other relevant requirements of the directive 1999/5/EC.
A declaration of conformity to this effect can be found at **http://www.panasonicmobile.com**

Safety Considerations

The following information should be read and understood as it provides details which will enable you to operate your phone in a manner which is both safe to you and your environment, and conforms to any legal requirements regarding the use of cellular phones.

This equipment should only be charged with approved charging equipment to ensure optimum performance and avoid damage to your phone. Other usage will invalidate any approval given to this apparatus and may be dangerous. Ensure the voltage rating of the Fast Travel Charger is compatible with the area of use when travelling abroad.

A Fast Travel Charger (EB-CAD95xx*) is supplied with the Main Kit. Other recommended equipment for charging -Car Charger (EB-CDD95).

Note* xx identifies the Charger region, e.g. CN, EU, HK, UK.

Switch off your cellular phone when in an aircraft. The use of cellular phones in an aircraft may be dangerous to the operation of the aircraft, disrupt the cellular network and may be illegal. Failure to observe this instruction may lead to the suspension or denial of cellular phone services to the offender, or legal action or both.

Do not incinerate or dispose of the battery as ordinary rubbish. The battery must be disposed of in accordance with local legislation and may be recycled.

It is advised not to use the equipment at a refuelling point. Users are reminded to observe restrictions on the use of radio equipment in fuel depots, chemical plants or where blasting operations are in progress. Never expose the battery to extreme temperatures (in excess of 60°C).

It is imperative that the driver exercises proper control of the vehicle at all times. Do not hold a phone while you are driving; find a safe place to stop first. Do not speak into a Handsfree microphone if it will take your mind off the road. Always acquaint yourself thoroughly with restrictions concerning the use of cellular phones within the area you are driving and observe them at all times.

Care must be taken when using the phone in close proximity to personal medical devices, such as pacemakers and hearing aids.

For most efficient use hold the phone as you would any normal phone. To avoid deterioration of signal quality or antenna performance, do not touch or “cup” the antenna area while the phone is switched on. (See ‘SAR Statement’). Unauthorised modifications or attachments may damage the phone and violate applicable regulations. The use of an unapproved modification or attachment may result in the invalidation of your guarantee – this does not affect your statutory rights.

This Panasonic mobile phone is designed, manufactured and tested to ensure that it complies with the specifications covering RF exposure guidelines applicable at the time of manufacture, in accordance with EU, USA FCC, and Australian ACA regulations; or as specifically stated in the separate declaration leaflet enclosed with this product.

Please refer to our website for latest information/standards compliance in your country/region of use.

http://www.panasonicmobile.com

SAR

European union - RTTE

THIS PANASONIC PHONE (MODEL EB-GD87) MEETS THE EU REQUIREMENTS FOR EXPOSURE TO RADIO WAVES.

Your mobile phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the limits for exposure to radio frequency (RF) energy recommended by The Council of the European Union. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines were developed by independent scientific organisations through periodic and thorough evaluation of scientific studies. The limits include a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

The exposure standard for mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit recommended by The Council of the European Union is 2.0 W/kg.* Tests for SAR have been conducted using standard operating positions with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a base station antenna, the lower the power output.

Before a phone model is available for sale to the public, compliance with the European R&TTE directive must be shown. This directive includes as one essential requirement the protection of the health and the safety for the user and any other person. The SAR value for this model phone, when tested for use at the ear, for compliance against the standard was **0.633** W/kg. While there may be differences between the SAR levels of various phones and at various positions, they all meet the EU requirements for RF exposure.

* The SAR limit for mobile phones used by the public is 2.0 watts/kilogram (W/kg) averaged over ten grams of tissue. The limit incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in measurements. SAR values may vary depending on national reporting requirements and the network band.

For SAR information in other regions please look under product information at
http://www.panasonicmobile.com/health.html

SAR

European union - RTTE

THIS PANASONIC PHONE (MODEL EB-GD87) MEETS THE EU REQUIREMENTS FOR EXPOSURE TO RADIO WAVES.

Your mobile phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the limits for exposure to radio frequency (RF) energy recommended by The Council of the European Union. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines were developed by independent scientific organisations through periodic and thorough evaluation of scientific studies. The limits include a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

The exposure standard for mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit recommended by The Council of the European Union is 2.0 W/kg.* Tests for SAR have been conducted using standard operating positions with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a base station antenna, the lower the power output.

Before a phone model is available for sale to the public, compliance with the European R&TTE directive must be shown. This directive includes as one essential requirement the protection of the health and the safety for the user and any other person. The SAR value for this model phone, when tested for use at the ear, for compliance against the standard was **0.633** W/kg. While there may be differences between the SAR levels of various phones and at various positions, they all meet the EU requirements for RF exposure.

* The SAR limit for mobile phones used by the public is 2.0 watts/kilogram (W/kg) averaged over ten grams of tissue. The limit incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in measurements. SAR values may vary depending on national reporting requirements and the network band.

For SAR information in other regions please look under product information at **http://www.panasonicmobile.com/health.html**

Accessories

Personal

Carry Case (EB-YKD87)

This attractive hip case protects your phone and by using the belt clip keeps it close at hand.

Li-Ion Battery (EB-BSD87)

Double your talk time by having a spare battery.

Personal Handsfree (EB-EMD87)

Talk and move while keeping your hands free by using this accessory. Just place the earpiece in your ear and the adaptor in the side of the handset - and talk.

Car

Car Charger (EB-CDD95)

Top up your battery in your vehicle by attaching this accessory to your phone and to the cigarette lighter socket.

Car Holder (EB-KAD87)

This compact Car Holder can be mounted in your vehicle, providing a convenient and attractive means of storing your phone.

Handsfree Car Kit (EB-HFD87Z)

Drive safely - install a Handsfree car kit and remove the need to hold your phone while driving.

Office

Fast Travel Charger (EB-CAD95UK)

Carry a lightweight portable charger wherever you go to ensure you always have power to talk.

Fast Travel Charger (EB-CAD95EU)

Charge Data Cable (EB-RSD67)

This Charge Data Cable is used to connect your phone to a PC, allowing data communication between them. This should be used in conjunction with the Free Panasonic Data Connection Assistant Software.

The software can be downloaded from:
http://www.panasonicmobile.com/support/software

How to Identify a Genuine Panasonic Accessory

Panasonic produces some of the most advanced mobile phones available. So, as you'd expect from this class leader, the range of accessories are second to none.
Most genuine Panasonic accessories will have a label showing an "EB-XXX00" model number.

Care and Maintenance

Pressing any of the keys may produce a loud tone. Avoid holding the phone close to the ear while pressing the keys.

Extreme temperatures may have a temporary effect on the operation of your phone. This is normal and does not indicate a fault.

Do not modify or disassemble the equipment. There are no user serviceable parts.

Do not subject the equipment to excessive vibration or shock.

Avoid contact with liquids. If the equipment becomes wet immediately remove the power and contact your dealer.

Do not leave the equipment in direct sunlight or a humid, dusty or hot area.

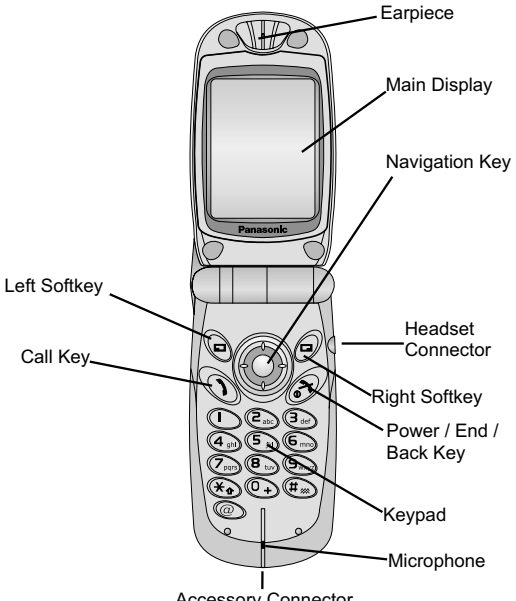
Keep metallic items that may accidentally touch the terminals away from the equipment.

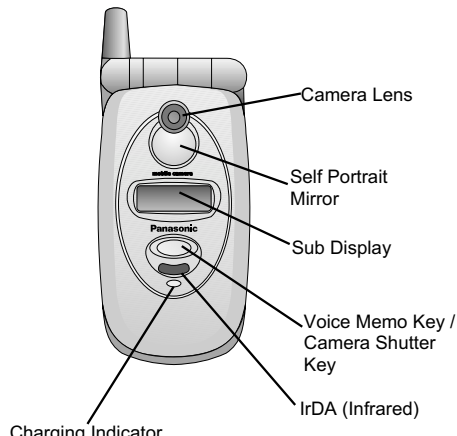
Always charge the battery in a well ventilated area, not in direct sunlight, between +5°C and +35°C. It is not possible to recharge the battery if it is outside this temperature range.

When connecting the phone to an external source, read the operating instructions of the equipment for the correct connection and safety precautions. Ensure the phone is compatible with the product it is being connected to.

When disposing of any packing materials or old equipment check with your local authorities for information on recycling.

Getting to Know Your Phone





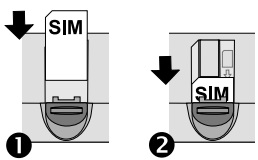
Getting Started

Some services detailed, are network dependent or may only be available on a subscription basis. Some functions are SIM dependent. For more information contact your service provider.

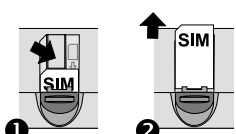
Fitting, and Removing the SIM

The SIM is inserted into the back of the phone underneath the battery.

Fitting the SIM



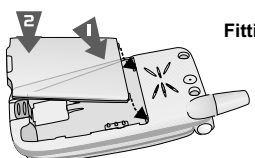
Removing the SIM



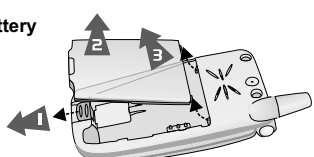
Fitting, and Removing the Battery

Before removing the battery, ensure that the phone is switched off and the charger disconnected from the phone.

Fitting the Battery



Removing the Battery



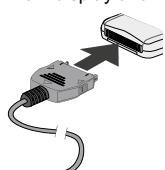
Charging the Battery

Connecting, and disconnecting the Fast Travel Charger

The battery must be fitted in the phone before the charger is connected. Insert the connector into the base of the phone, ensuring the arrows on the connector face to the front of the phone.

Note: DO NOT force the connector as this may damage the phone and/or the charger.

Connect the charger to the AC outlet. When the phone is charging, the charging indicator will light and a flashing plug icon will appear in the main display and in the sub display.



When charging is complete turn off the mains power supply and disconnect the charger.

Operation of Battery Level Indicator

	While charging	Charging complete
Phone on		
Phone off		Battery Charge Indicator off

Low Battery Warning

When the battery power is low, a warning tone will sound, and a flashing **LOW BATTERY** message will be displayed. If this occurs during conversation, finish your call immediately. The power will automatically shut off after the warning tone. Fully recharge the battery. See “Charging the Battery”. (Calls can be made and received while the phone is charging).

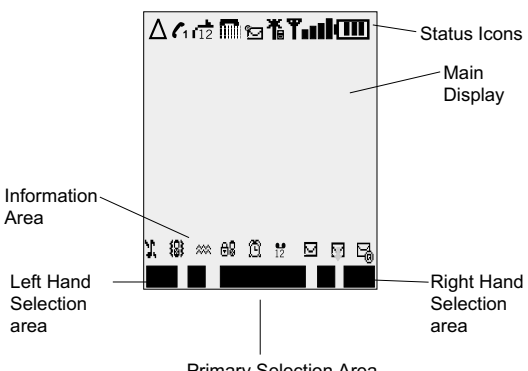
Menu System

Display Icons

After some operations, the display will automatically clear after three seconds or after pressing any key.

Status Icons

The status icons are displayed according to the currently activated functions. The Antenna, Signal and Battery icons are displayed when the handset is switched on and connected to a network.



- is displayed when you are registered to a non-home network - Roaming
- Indicates Call divert is enabled
- Indicates **Vibration Alert** is enabled
- Indicates All tones or ring volume is off
- Indicates a new message has been received. An exclamation mark (!) on the left of the message icon indicates the message store is full.
- Indicates Phone lock is on
- Indicates it is possible to make emergency calls only
- GSM signal strength: - weak signal, - strong signal
- GPRS service available
- Indicates Battery level: - full, (flashing) - low battery
- Indicates Alarm is set
- Indicates current Phonebook entry is from the Mobile Phonebook
- Indicates current Phonebook entry is from the SIM Phonebook

Using the Menu System

The menu system provides the means for accessing all the functions which do not have their own dedicated buttons on the keypad.

Key	Examples of function
	Access the Menu system Display a sub-menu Confirm a selection
	Navigate around a menu Select an option
	Access the Phonebook Switch between text entry types
	Cancel the current operation and return to the previous menu

Shortcuts

When familiar with the menu system, use the keypad to enter the Menu Number instead of navigating through the display menus. For example, to browse the Data Folder function:

From **Idle** mode:

Information

Icons indicate the current top level menu, the sub-menu number, text entry mode, Phonebook source, Phonebook location number, or the alarm set icon depending on the current mode of operation.

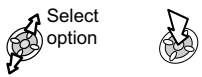
indicates alarm is set

indicates current Phonebook entry is from the Mobile Phonebook

indicates current Phonebook entry is from the SIM Phonebook

Basic Operation

New to GD87 is the introduction of the "**Pick List**", which is used extensively throughout the phone.

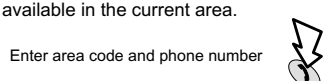


Switching the Phone On/Off

When the phone is switched on a greeting will be displayed and then the phone will go into Idle mode.

Making Calls

Ensure that the phone is switched on, the network operator logo is displayed and the signal strength icon shows network coverage is available in the current area.

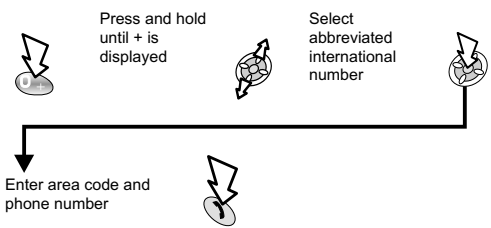


International Dialling

Using the automatic international access code (**+**) you will be able to dial international numbers without having to know the code for the international exchange.

If the international number is known then it can be entered in the normal fashion followed by the area code and phone number.

From **Idle** mode:



Note: Many countries / regions include an initial "0" in the area code. This should, in most cases, be omitted when dialling international numbers. If you have difficulties making international calls, contact your service provider.

Emergency Calls

To make an emergency call the antenna symbol ( ) must be present.

If a SIM is installed

Enter 112

If a SIM is not installed

Automatic Redial

If a connection is unsuccessful

When OK is displayed:

To stop redialling:

When Cancel or C is displayed:

Ending Calls

Answering a Call

To receive a call the phone must be switched on and the signal strength icon must be displayed.

To answer a call:

Press any key except

To reject a call:

Note: If a call is not answered, or is rejected, the number of incoming calls missed will be displayed. Press any key to clear the display

Caller ID

The caller's phone number, and name if stored in Phonebook, will be displayed during an incoming call.

Note: Caller ID may not always be available.

Earpiece Volume

Select the required volume level

Note: Volume control for the Personal Handsfree accessory is adjusted in the same manner.

Phone Lock

Phone Lock restricts use to answering incoming calls and making emergency calls.
The Phone Lock Code is preset to "0000".

From **Idle** mode:

Phone Option
Security >
Phone Lock >
On / Off

On or
Off

Enter the
4-digit code

The lock icon will
be displayed

Unlocking the Phone

Enter the 4-digit code

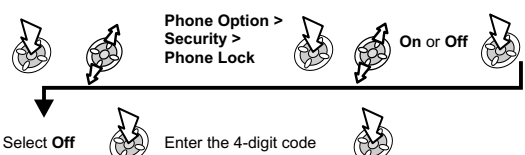
When the correct code has been entered Ok will appear in the primary selection area.

Note: When you turn the phone off and on again the Lock Code will need to be re-entered.

Turning the Phone Lock off

The phone must be unlocked before the phone lock can be turned off.

From **Idle** mode:



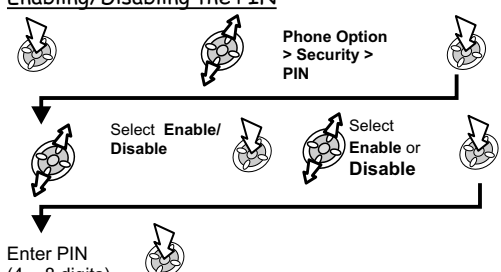
Using the PIN

The PIN protects your SIM against unauthorised use. If you enable the PIN, every time the phone is turned on you will be prompted to enter the PIN.
The PIN2 controls security for the Fixed Dial Store, Call Charge metering and Barred Dial.

If either PIN/PIN2 is entered incorrectly 3 times the phone will be locked and the user will need to enter the PUK/PUK2 code. Contact your service provider for the PUK/PUK2 code.

Note: If the PUK/PUK2 code is entered incorrectly 10 times, the phone will cease to operate permanently. All information stored in the SIM will be lost and the SIM will need to be replaced. Contact your service provider for more details.

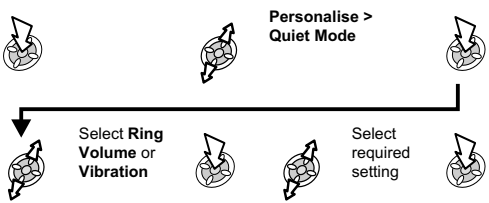
Enabling/Disabling the PIN



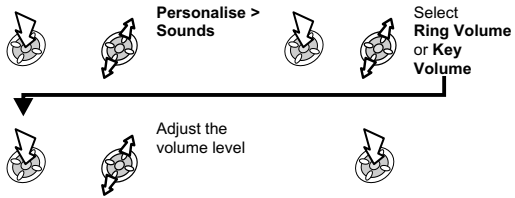
Setting Quiet Mode

When required, the phone can be set to vibrate when a call is received. You can choose between **Continuous, Intermittent** or **Disabled** vibration alerts or a user defined ring volume when a call is received.

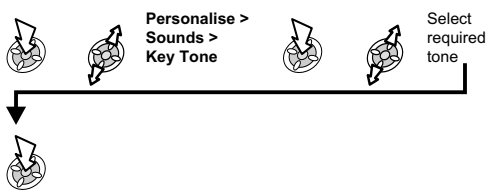
From **Idle** mode:



Setting Ring and Key Volume



Setting the Key Tone Type



Note: If you increase the ring volume above maximum it will set an escalating ringtone. If you turn the ring volume off, the silent indicator icon (🔕) will be displayed.

Phonebook

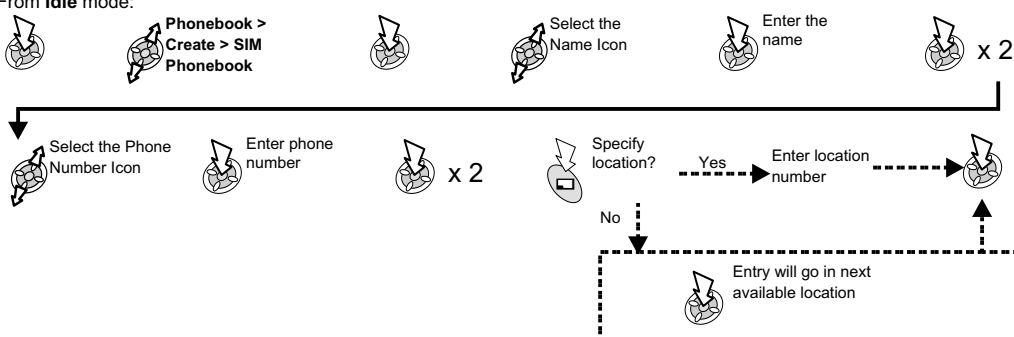
Phone numbers can be stored in two locations:

- SIM Phonebook, where the number of locations, length of name and numbers are SIM dependent.
- Mobile Phonebook, where phonebook entries can be grouped together and additional data can be stored with numbers. This Phonebook is retained if you change the SIM.

Note: see 'Text Entry' section for descriptions of the different text entry methods available for making Phonebook entries.

Storing a number in the SIM Phonebook

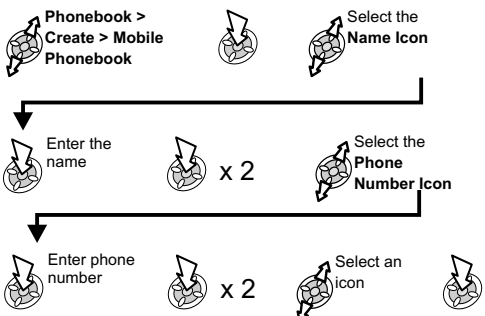
From **Idle** mode:



Note: If you amend an entry in the phonebook that has a Voice Dial Command assigned to it, you will need to delete and reassign that Voice Dial Command (See "Using Voice Commands").

Storing a number in the Mobile Phonebook

From **Idle** mode:



You can add additional information to each phonebook entry such as additional telephone numbers, e-mail address, ringtone, picture, group, notes and LCD colour.

Adding E-Mail Addresses and Telephone Numbers

You can store up to 3 telephone numbers and 2 E-Mail addresses for each phonebook entry.

Adding Ringtones

Adding Pictures

Adding LCD Colours

Saving a Phonebook Entry

Note: If you amend an entry in the phonebook that has a Voice Dial Command assigned to it, you will need to delete and reassign that Voice Dial Command (See 'Using Voice Commands').

Overwrite Protection

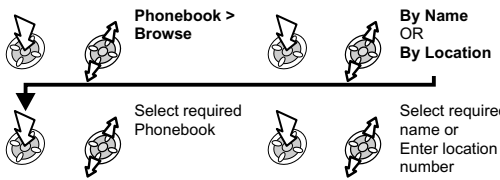
If a location is already occupied you will be prompted to confirm the overwriting of the current information.

To overwrite

To choose an alternative location

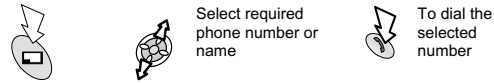
Browsing the Phonebook

You can search the Phonebook by either Name or Location. The default setting for browsing is by name. When browsing by name pressing a lettered key will take you to the first entry starting with that letter.
From **Idle** mode:



Retrieving a Number

From **Idle** mode:



Speed Dialling a number stored in the SIM Phonebook

From **Idle** mode:

Note:
The Phonebook you last viewed will be the default when you next press the Phonebook access key.
To change the default, use the Phonebook menu to select the required Phonebook.

Editing Phonebook Entries

It is possible to **Detail**, **View**, **Recall**, **Edit**, **Delete** or **Create** information in the Phonebook. To access any of these functions follow the same procedure for each one.

With a phone number or name displayed:

Select required phone number or name

Detail

Displays each element of the selected Phonebook entry.

Select the next or previous element of the entry

Each element may be edited:

Select **Edit** and edit as required

x 2

View

Displays an individual name and phone number in the names list.

Recall

Displays the phone number, allowing you to call it or change it.

Edit

Displays the entry allowing you to make changes as required.

Delete

Deletes the entry from the Phonebook.

Create

Creates a new entry in the Phonebook.

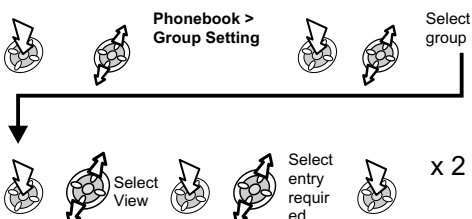
Grouping Phonebook Entries

The ability to group phonebook entries together is an extra function of the Mobile Phonebook.

Retrieving a Number from a Group

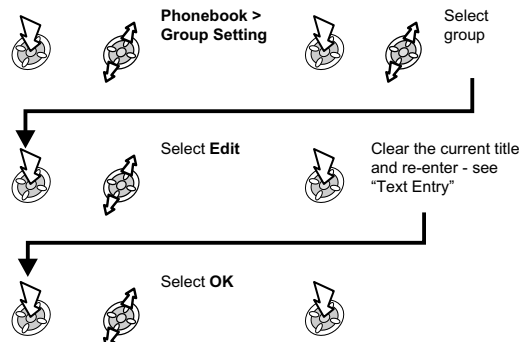
Groups are used to collect together types of Phonebook entries, e.g. business and personal. Each group can be suitably titled for quick access to the entries contained within.

An alert profile can be attributed to groups, or a phone number, thus allowing incoming calls to indicate the type of caller. See “Alert Profiles”.
From **Idle** mode:



Retitling Group Names

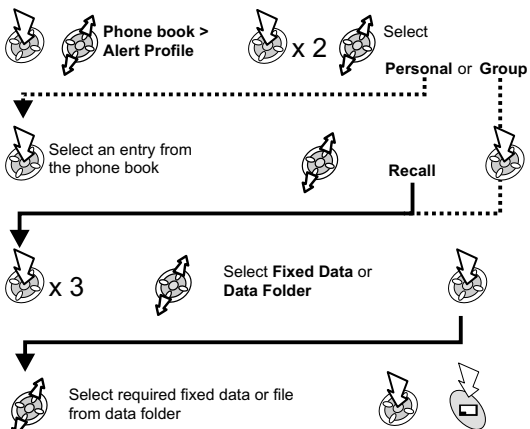
From **Idle** mode:



Alert Profiles

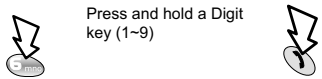
Alert Profile allows you to identify callers with a particular ringtone or display picture/animation, making it easier to distinguish between callers or groups of callers.

Creating an Alert Profile



Hot Key Phone Numbers

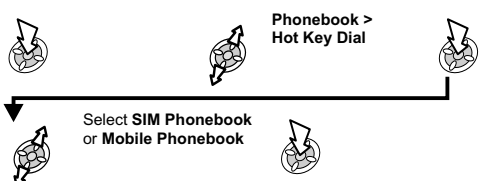
Phone numbers from the Phonebook or Service Dial part of the Phonebook can be dialled quickly.



Note: In some instances, a long press on the 9 WXYZ key will initiate the games menu

Setting the Hot Key Dial Source

From **Idle** mode:



Info Numbers or Service Dial

Some special numbers may be programmed into your SIM ( ). It is not possible to modify these.

and hold

Browse through the Service Dial List

Note: The selected phone number can be recalled or dialled.

Review the Phonebook

The Review function in the Phonebook menu shows how many locations are available in the Phonebook.

Phonebook > Review

Select **SIM Phonebook** or **Mob. Phonebook**

A summary of the selected Phonebook will be displayed

Using Voice Commands

Before any of the phone's voice activated functions can be used, it is necessary to configure the phone so that it will recognise a particular voice and intonation.

Voice Dial Entry Setup

Phonebook > Voice Command > Voice Dial

x 2

Select entry to have voice command

Select Recall

Hold phone 20cm away from your mouth

Speak clearly to record the required name

When promoted speak clearly to repeat the recording of the required name

When recording has finished, the display will indicate if it has been successful or not. If unsuccessful, repeat as necessary.

Note: Each recording is short in length, so be ready to speak soon after initiating the recording.

Recalling Voice Dial Entries

From **Idle** mode:

and Hold
Say clearly which name to recall

Dialling Voice Dial Entries

Using Permission

Allows voice recalled entries to be dialled automatically.
From **Idle** mode:

Phonebook >
Voice Command >
Permission

Select **On** or **Off**

Repeat to disable the Permission function returning to Voice Dial recall only.

Editing the Voice Dial Entries

From **Idle** mode:

Phonebook >
Voice Command >
Voice Dial

Select required option and edit as required

Add

To add a new Voice Dial entry.

Play

To listen to the recording of a Voice Dial entry.

Delete

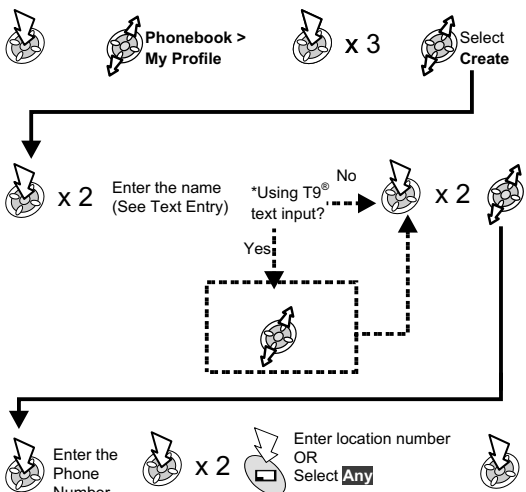
To delete an entry.

My Profiles

My Profiles is a convenient part of Phonebook where voice, fax and data phone numbers can be stored and viewed.

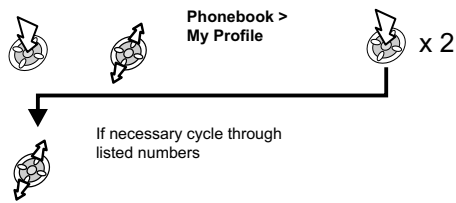
Adding Numbers

From **Idle** mode:



Viewing Stored Numbers

From **Idle** mode:



* Using T9® predictive text input dramatically reduces the number of key presses required. See 'Text Entry'.

Personalising your Phone

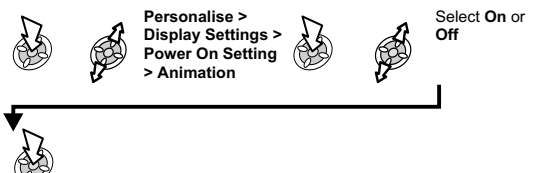
Adding a Start-up Greeting

A personalised greeting can be programmed for when the phone is switched on.

From **Idle** mode:

Displaying Animations

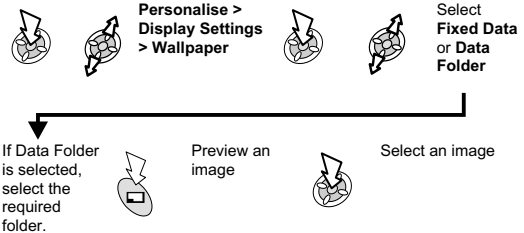
Animations can be displayed during the phone power on and off sequences.
From **Idle** mode:



Changing the Wallpaper

A personal picture (wallpaper) can be displayed when the phone is in Idle mode.

From **Idle** mode:


Personalise > Display Settings > Wallpaper
Select **Fixed Data** or **Data Folder**
If Data Folder is selected, select the required folder.
Preview an image
Select an image

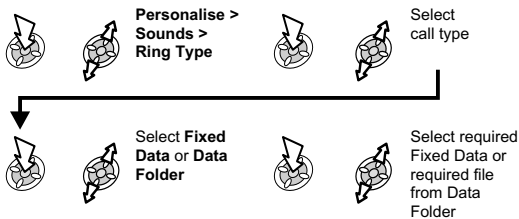
Note: Pictures are normally stored in the following folders: **Camera**, **Mail** (E-mail or MMS), **Received** (IrDA or data connection), **Browser** or **User** (optional stored locations).For creating and saving pictures for use as wallpaper, see 'Camera Operation'.

Changing the Ringtone

The ringtone of the phone can be changed to one of many pre-defined sounds, or a downloaded ringtone. All voice, fax, data and messages can have a different ringtone.

To change the Ringtone

From **Idle** mode:



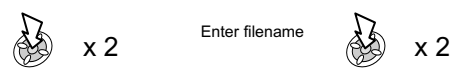
Note: See 'Composing a Melody' to generate a custom ringtone.

Composing a Melody

From **Idle** mode:

Using the table as a reference, enter the notes (from the choice of Low, - High), rests, and the durations of each, to generate your composition.

When the composition is complete:



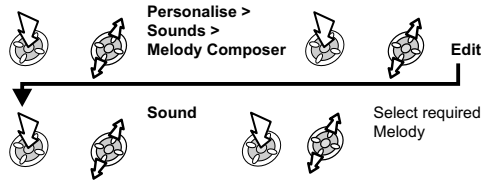
Note: At any time during composing:

To play back the current melody

Key	1st press	2nd press	3rd press	4th press	5th press
1	C_2	C_3	C_4	C_1	
2 abc	D_2	D_3	D_4	D_1	
3 def	E_2	E_3	E_4	E_1	
4 ghi	F_2	F_3	F_4	F_1	
5 jkl	G_2	G_3	G_4	G_1	
6 mno	A_2	A_3	A_4	A_1	
7 pqrs	B_2	B_3	B_4	B_1	
8 tuv					
9 wxyz					
0 +	Rest				
*	1/8	1/4	1/2	1/1	1/6
#	Sharp				

Editing your Melody

Once the ringtone has been saved:

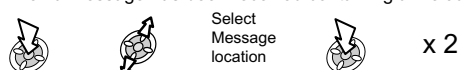


Use the relevant keys to insert new notes/rests

Download Melody

Melodies may be downloaded from the Internet, details of this service are available on our website:
http://www.panasonicbox.com

When a message has been received containing a melody:



The ringtone is now stored and can be selected as a pre-defined melody.

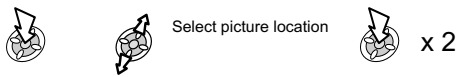
Note: Downloaded melodies will be stored in the data folder

Personalising your Phone

Download Logo

Logos may be downloaded from the Internet, details of this service are available on our website:
http://www.panasonicbox.com

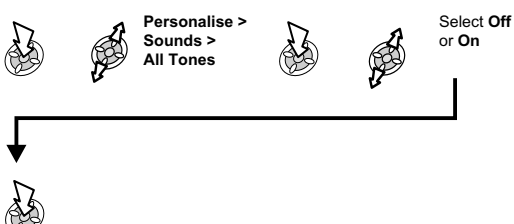
When a message has been received containing a Logo:



The Logo is now stored and can be selected as Wall Paper from the Personalise menu or as a picture for the Alert Profile set up.

Disabling/Enabling all Tones

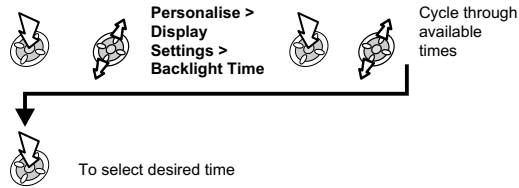
From **Idle** mode:



When **Idle** is resumed the silent indicator icon ( ) will be displayed

Setting the Backlight Time

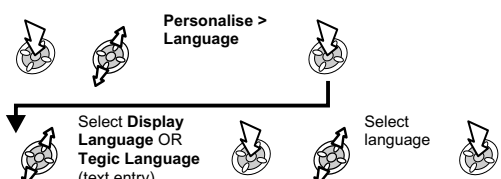
From **Idle** mode:



Changing the Language

It is possible to change the language that the phone uses for either display messages and/or text entry.( )

From **Idle** mode:



Restoring the Default Phone Settings

Any personal settings can be returned to their factory default, with the exception of some features, such as the Phone Lock code and the Language.

From **Idle** mode:

Personalise > Defaults

x 2

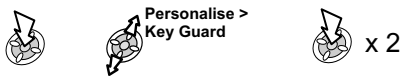
Phone Security

This phone has security options to stop unauthorised use and to limit access to some features. We recommend you memorise your security codes. If you write them down, don't write them in a way that someone else could recognise.
If you forget your codes, contact your dealer for the Phone Lock Code and your service provider for the PIN and PIN2.

Key Guard

Key Guard stops the keys from performing their normal function if accidentally pressed. When a call is received, Key Guard is temporarily disabled, press any key to answer the call.

Enabling Key Guard

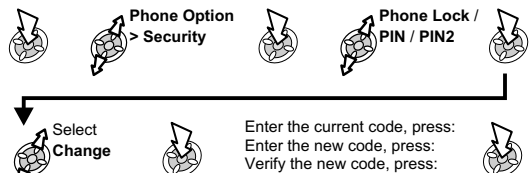


Disabling Key Guard

Note: Emergency calls can still be made with Key Guard enabled but there will be no indication that you are dialling a number.

Changing the security codes

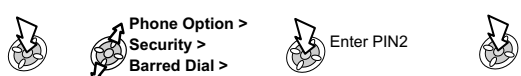
Use the following to change **Phone Lock**, **PIN** or **PIN2**:
From **Idle** mode:



Restricting Calls

Barred Dial

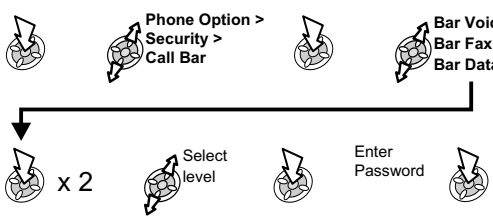
Stops all phone numbers pre-programmed in the SIM from being dialled. To use this function the PIN2 code is required.
From **Idle** mode:



Call Barring

Call Barring restricts certain outgoing and/or incoming calls using a password supplied by your service provider. When updating/checking the status of Call Bar the phone must be registered with a network. Varying call restrictions can be used for voice, fax and data calls.

From **Idle** mode:



Fixed Dial

Fixed Dial is part of the Phonebook, but with added security. When Fixed Dial is enabled:

- Only numbers that are in the Fixed Dial Store may be dialled.
- Any manually dialled phone numbers must match a number already in the Fixed Dial Store.
- A phone number may be stored, edited or deleted. You will be prompted for your PIN2 code.

"Wild" Numbers

Wild numbers are spaces that can be stored in a phone number. The wild numbers must be filled before the phone number is dialled. Used in conjunction with Fixed Dial, calls can be restricted, for example, to a specific area by storing the area code of a phone and when recalled the remainder can be added. The wild numbers can be anywhere within a stored phone number.

Press and hold until __ is displayed

When the phone number is recalled, enter the wild number

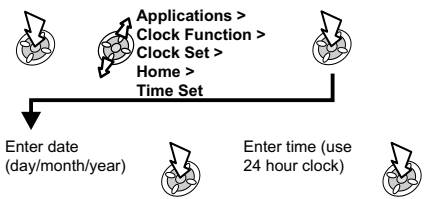
Applications

Clock

This phone incorporates a clock with date/time, an alarm and a power on/off feature.
A second clock for dual time is also included - see ‘Second Clock’.

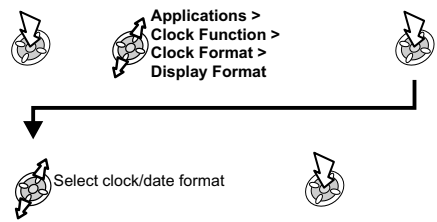
Initially Setting the Home Time

From **Idle** mode:



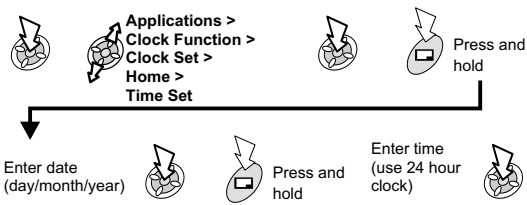
Setting the Clock Format

From **Idle** mode:



Altering the Time/Date

From **Idle** mode:

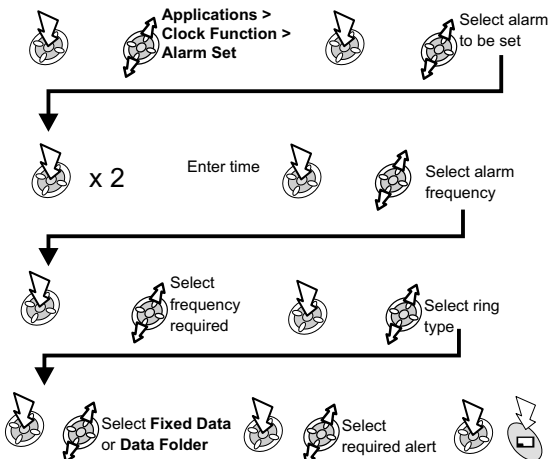


Setting the Clock for Summer Time

From **Idle** mode:

Setting the Alarm

If the clock hasn't been set, the user will be prompted to do so prior to setting the alarm.
There are four separate alarms, each of which may be set independently.
From **Idle** mode:



Applications

When the alarm has been set, an alarm clock will be displayed when the phone is in Idle.
The alarm is activated based on the current clock (Home or Second).

Muting the Alarm

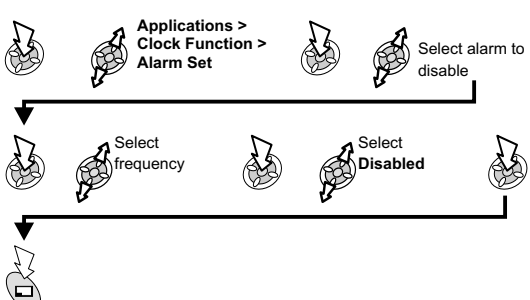
When the set time is reached the alarm will sound and the display will flash with an alarm message. The alarm will sound for 30 seconds. If the alarm is due during a call, it will activate vibration alert.

To end the alarm:

Press any key

Disabling the Alarm

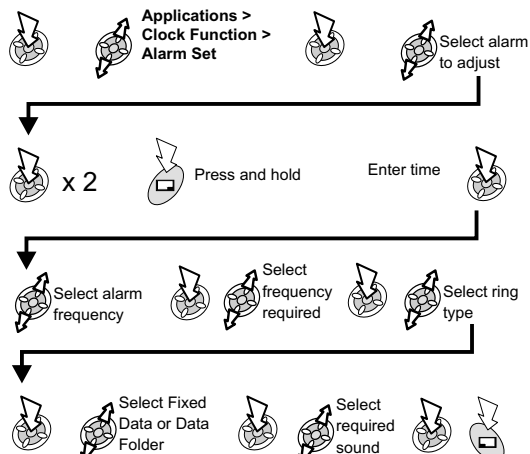
From **Idle** mode:



When disabled, following the same procedure will re-enable the alarm.

Adjusting the Alarm Time

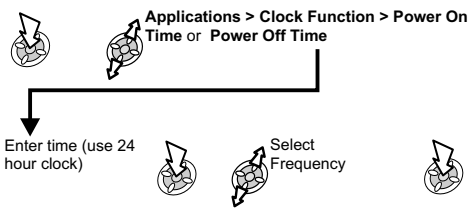
From **Idle** mode:



Setting a Power On/Off Time

The phone can be set to turn itself on or off automatically at a specified time using the Power On/Off feature. Setting/adjusting the Power On/Off automatically is similar to setting the time on the clock. Select **Power On Time** or **Power Off Time** in the Clock Function menu.

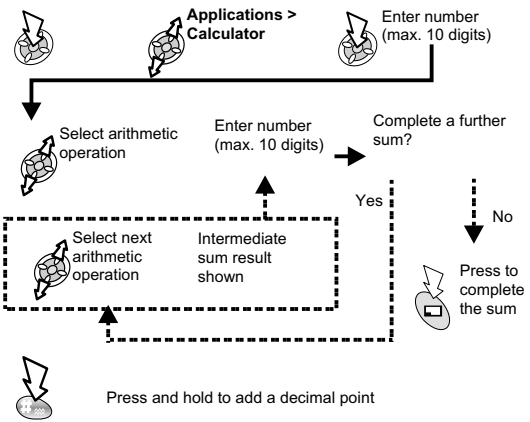
From **Idle** mode:



Caution: Ensure that the setting of the Alarm or Power On function will not automatically power on when in an aircraft or medical facility etc. - see 'Important Information'.

Calculator

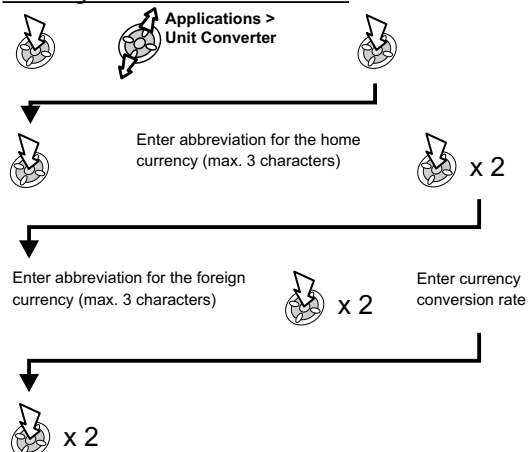
The four function calculator will enable the user to perform simple arithmetic calculations (addition / subtraction / multiplication and division).
From **Idle** mode:



Currency Convertor

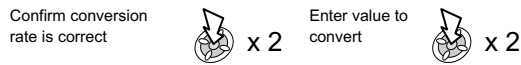
The currency convertor enables the user to convert from/to a home currency using a conversion rate that you enter.
From **Idle** mode:

Entering an Initial Conversion Rate


Applications >
Unit Converter
Enter abbreviation for the home currency (max. 3 characters)
x 2
Enter abbreviation for the foreign currency (max. 3 characters)
x 2
Enter currency conversion rate
x 2

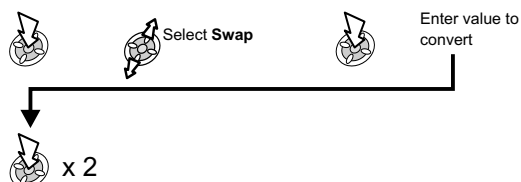
The conversion rate will be retained in the phone once entered. The next time the convertor is used, the conversion rate / currency abbreviation can be edited while in the Currency/rate display.

Converting a Value



Swapping the Currency Conversion

When you have accepted the conversion rate and are ready to enter the value to be converted, you can swap the currencies to convert from the foreign currency into the home currency.



Infrared

By using infrared connection with another GD87 or with other devices with an infrared port, you can transfer data between the devices. Also it enables you to use GSM fax and data services, and it provides access to Internet and e-mail, through existing applications.

Preparing for Infrared Connection

- Place GD87 and another device with an infrared port within the effective range of infrared connection with each other.
- There must be no obstruction between the two communicating devices.
- The infrared ports of both devices must point at each other.
- If you use a PC, you need to set up infrared connection on the PC.

(Example: **Start > Settings > Control Panel > Infrared > Options tab > Enable Infrared Communication**)

Sending Data

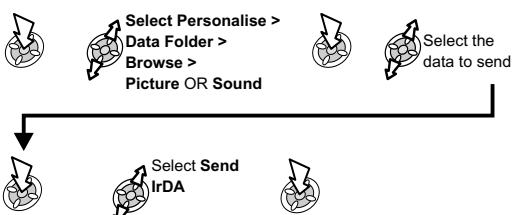
The types of data you can send are: Phone Book, My Profile, Scheduler, Camera, Sound, File and Data Folder.
Ensure that the infrared ports of your GD87 and the second phone or device are pointing at each other with no obstructions in between.

Press to stop the transmission at any time

Sending Images and Music Data

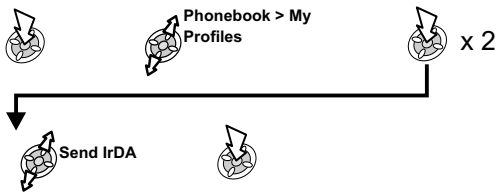
Images and Music data can be transferred among GD87s.

From **Idle** mode:



Sending My Profile Data

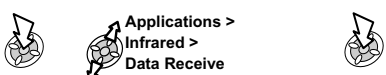
From **Idle** mode:



Note: If you try to send data that cannot be forwarded or saved, an error message will be displayed.

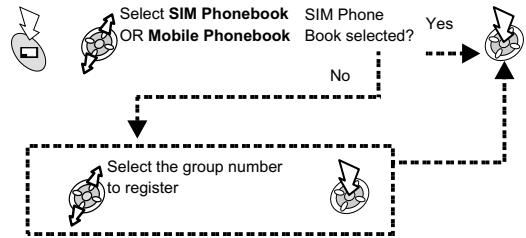
Receiving Data via Infrared Port

From **Idle** mode:



Once data is displayed:

- for Phone Book data:



- for Scheduler data:

- for all other data: the received data will automatically be saved in the Received Folder.

Using the Internet and Faxing

You can join your GD87 and a PC together via an infrared connection to access the Internet, and to send and receive faxes. The following explains how to set up communication between the GD87 and a PC. These instructions should be used in conjunction with your Internet platform software and/or your fax software.

Prerequisites

Faxing: contact your mobile phone network operator to determine whether this feature is available to you.

Ensure that you have set up a dial up account with an Internet Service Provider.

You will need the installation CD from your ISP, or your account details (i.e. phone number, user name and password) to configure Dial Up Networking within Windows.

When you set up your Internet account for the first time, make sure that you select GD87 as the connecting modem device. (For more details contact your Internet Service Provider, or for help using Windows Dial Up Networking, search Windows Help [Start>Help])

Testing the Infrared Connection

The following process will set up a PC to connect to your GD87 using the Windows standard communication software, HyperTerminal, as an example (the process described may vary slightly for other software packages).

Note: Depending on how your computer has been set up 'HyperTerminal' may not be located in 'Communications' (as detailed in the first instruction).

- Select **Start > Programs > Accessories > Communications > HyperTerminal**
- Double click on **HyperTerminal**.
  In the Connection Description dialogue box, enter a name of your choice in the Name field and click **OK**.
- In the Phone Number dialog box, select the country code, enter your Internet Service Provider's phone number and confirm that GD87 is selected in the "Connect using" box. Click **OK**.
  When the connect dialogue box is displayed, click **Cancel**.
- Select **File > properties** and confirm that GD87 is selected. Click **OK**.
- In the HyperTerminal window, type **AT+CGMI** and click. If GD87 has connected successfully you will receive the reply **OK**.

Connecting to the Internet

To connect to the Internet, you need to type in AT command in the terminal screen on your PC.

On the PC:

- Display the terminal screen in the communication software on your PC. (in our example: select **Start > Programs > Accessories > Communications > HyperTerminal**)

On the GD87:

From **Idle** mode:

- When **Ready for Communication** is displayed, type in the AT command in the terminal screen on your PC.
- Enter the phone number to connect to for Circuit Switch. Use the dedicated phone number to packet for Packet connection.
- Enter AT commands as necessary.

Faxing

Ensure that you have fax application software installed on your PC. We recommend you use one of the following packages:

Microsoft Fax (www.Microsoft.com)

WinFax Pro or ProComm Plus (www.symantec.com)

HotFax 3.0 (www.smithmicro.com)

Note: Ensure the fax application is set up to use the area code and, for international calls, the country code.

Messages

This phone has various messaging features including SMS, MMS and E-mail:

SMS: You can enter the recipient's phone number to send text and images.

MMS: You can attach images and music to text messages. The recipient can play it as a Slide show.

E-Mail: You can enter an e-mail address to send a message to another mobile phone or a PC via the Internet.

SMS

It is possible to receive, display, edit and/or send text messages of up to 459 characters, (Dependent upon the language being used) to mobile phones on your service providers network or any network that has a roaming agreement. (Dependent on the recipient's phone parameters).

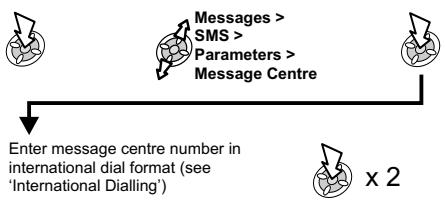
Phone Setup for SMS

Before a message can be sent, it is necessary to enter the Message Centre number into Parameters.

The Message Centre number may have been preprogrammed on the SIM.

Setting the Message Centre Number

From **Idle** mode:



Creating a Text Message

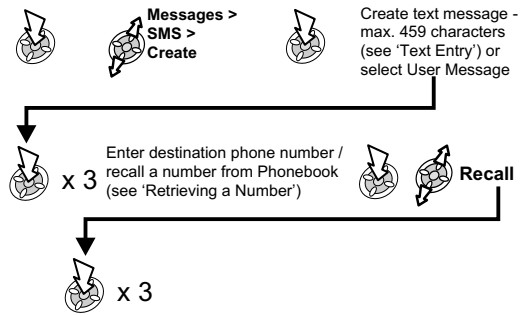
To access Character menu:

- In Numeric mode: Character menu not available
- In T9 mode:

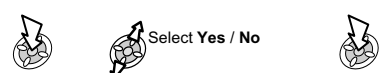
- Using T9® predictive text input dramatically reduces the number of key presses required. See 'Text Entry'.
- In other text modes:

Press and hold a Digit key (1-9)

From **Idle** mode:


Messages > SMS > Create
Create text message - max. 459 characters (see 'Text Entry') or select User Message
x 3
Enter destination phone number / recall a number from Phonebook (see 'Retrieving a Number')
Recall
x 3

- The user may be asked if delivery confirmation is required:



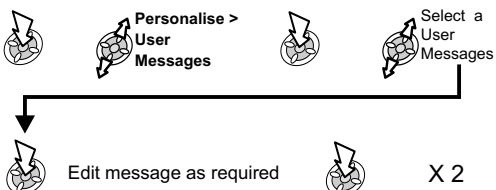
Note: The default setting for delivery confirmation can be enabled/disabled using the Report parameter in the Parameters menu.

User Messages

When creating a text message, it is possible to use short messages stored in the phone.

To Edit a User Message

From **Idle** mode:



Receiving Text Messages

Indicates a new message has been received. An exclamation mark (!) on the left of the message icon indicates the message store is full.

When Read is displayed:

Message Options

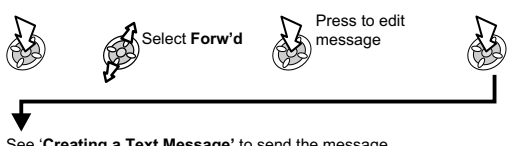
When a message is received and read the following options are available:

Reply to a Message

Delete a Message

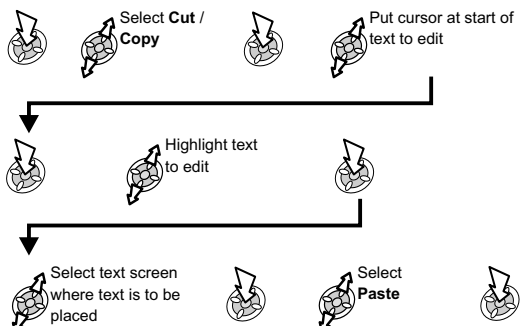
To enable the auto-deletion of messages, see 'Parameters'

Forward a Message



Cut, Copy & Paste Message Text

This function allows the user to cut or copy message text from a user defined message or a user created message, into a new or existing message. It can also be used to paste text to a previously sent message.
With a message displayed:


Select **Cut** / **Copy**
Put cursor at start of text to edit
Highlight text to edit
Select text screen where text is to be placed
Select **Paste**

Note: The cut or copied text will remain in the phone memory until other text is cut or copied.
To cut or copy text from a received message, select **Forw'd** and repeat above as necessary.

Managing Message Lists

All messages will be stored on the SIM until they are deleted. A stored message can be replied to, edited or deleted.

Inbox

Received messages are stored in the Inbox. A ✉ in the receive list indicates an unread message.

Outbox

When a message has been sent or edited, it is stored in the Outbox.

Create

This allows you to create a new message or reply to a message.

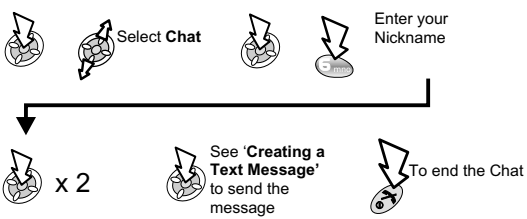
Template

Template allows the creation of a message template, which can be inserted into an outgoing message.

Chat SMS

Chat SMS allows you to read sent and received messages with another party on one screen.

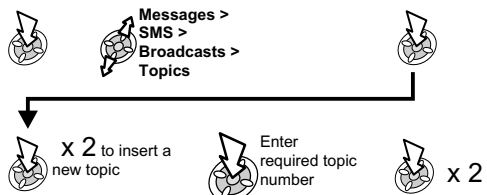
When reading a previously sent or received message:



- A Nickname may be up to 18 characters in length.
- When receiving a message in chat mode, the text appears above your previous message.
- If the phone is not in chat mode when receiving a reply to a chat message, it will be received as a normal SMS.
- If a voice call is received when in chat mode, you can accept the incoming call and return to chat mode at the end of the call.
- Only the last sent and received messages are stored, all other messages from the latest chat are automatically deleted.

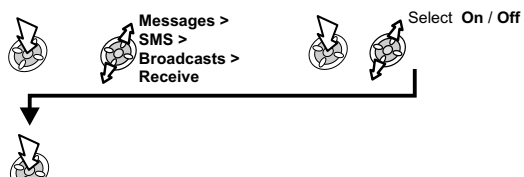
Cell Broadcasts

You need to specify the topic(s) of information that you wish to receive as broadcasts before you can receive them.
From **Idle** mode:



Turning Broadcasts On and Off

From **Idle** mode:



Message List

This is a store for the last received broadcast messages. Messages can be deleted from here.

Languages

The language in which broadcast messages are displayed can be changed.

Parameters

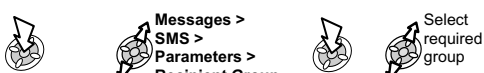
From **Idle** mode:

The following parameters can be set:

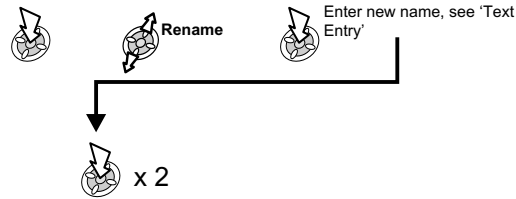
Recipient Group

Recipient Group enables you to preset the destination of text messages. There are 5 different recipient groups, allowing you to store up to ten destinations in each.

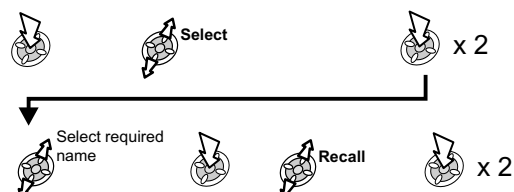
Setting Recipient Group



To rename a recipient group:



Adding names to a recipient group



Auto Delete

When set, this feature automatically erases messages:
Received Read - will overwrite the oldest read message.
Received Any - will overwrite the oldest message, even though it may not have been read.

Lifetime

This is the duration that your message is stored at the Message Centre. Delivery attempts will be repeated until the message has been delivered or the Lifetime expires.

Message Centre

Allows the Message Centre phone number to be edited - see 'Setting the Message Centre Number'.

Report

When your message has been delivered a confirmation will be received if Report is set to **Yes**. If set to **Ask** the recipient will be prompted if they want to send a reply.

Protocol

The Message Centre may be able to convert the message to the format specified by the selected protocol.

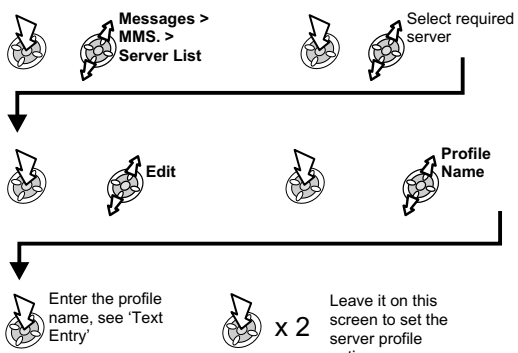
Multimedia Message Service (MMS)

MMS Configuration

MMS Configuration must be done before you can send or receive an MMS message. You can create up to three server profiles on the phone.

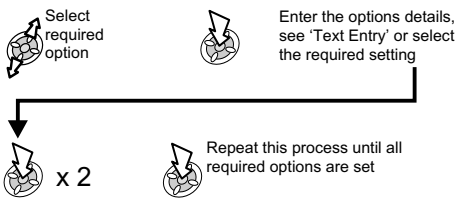
Note: Your MMS settings may have been pre-configured by your service provider.

From **Idle** mode:

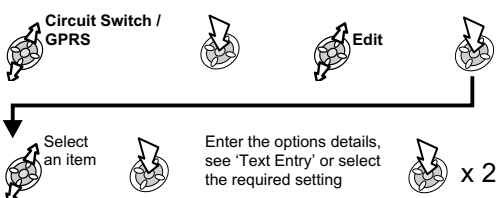

Messages > MMS. > Server List
Select required server
Edit
Profile Name
Enter the profile name, see 'Text Entry'
x 2
Leave it on this screen to set the server profile options

Server Profile Settings

The Server URL and Gateway IP are all set using the same method.


Select required option
Enter the options details, see 'Text Entry' or select the required setting
x 2
Repeat this process until all required options are set

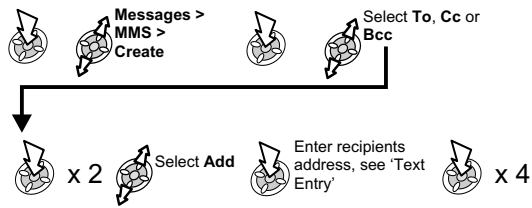
When **Bearer Type** is the selected option:



Creating a New MMS Message

Adding a recipient

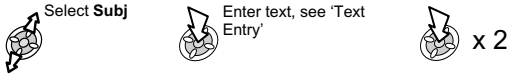
From **Idle** mode:



Note: To select an entry from the Phonebook, you must have an address stored in that particular Phonebook entry.

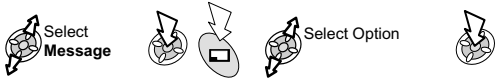
Adding the Subject or Message

After adding the recipient(s):



Attaching Image or Audio files

After adding the recipient(s) :



Your MMS can now be sent or saved by returning to the Create menu and:

Note: If Save is selected, the message is stored in the Outbox to be sent or edited later.

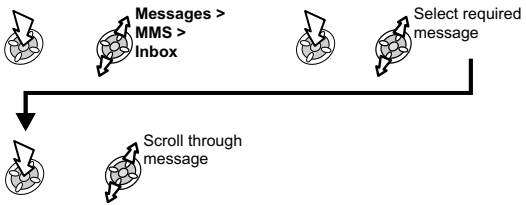
Sent and Received Messages

Received messages are stored in the **Inbox**, if there are any unread messages, the number is displayed next to **Inbox**.

Sent messages are stored in the **Outbox**.

Reading a Received Message

From **Idle** mode:



Received Message Options

With the message displayed:

- **Reply:** Compose a reply to the sender.
- **Reply to All:** Compose a reply to all the people who have been sent the message.
- **Forward:** Pass a copy of the message on to another person.
- **Sort:** Sort all messages in the Inbox into a certain order.
- **Phonebook:** Save the senders address in your Phonebook.
- **Protect:** Lock the message against deletion.
- **Delete:** Delete the message.
- **Delete All:** Delete all messages from the Inbox.
- **Review:** View details of the message, e.g. file size (Kb).

Message Send Options

From **Idle** mode:

- **Lifetime**: Select Maximum or choose a time limit to set the lifetime for sent messages.
- **Sender Visibility**: Allows the recipient to view your details, useful when replying to your message.
- **Report**: Request a delivery report on the status of a sent message.

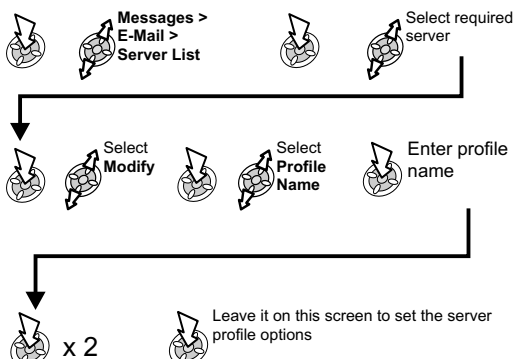
Internet E-Mail

E-Mails can be sent and received via the mail server of an Internet Service Provider that supports POP3 / SMTP protocols.

Prior to using the Internet E-Mail feature, your SIM must be data enabled and a contract with an Internet Service Provider must be in place.

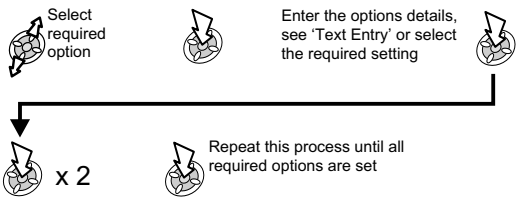
E-Mail Setup

From **Idle** mode:


Messages > E-Mail > Server List
Select required server
Select Modify
Select Profile Name
Enter profile name
x 2
Leave it on this screen to set the server profile options

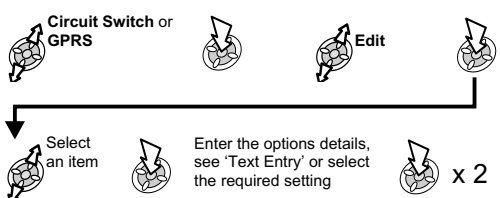
Server Profile Settings

The Mail Address, SMTP Server, POP3 Server, POP3 Account, Password, Mail Delivery, Primary DNS and Secondary DNS are all set using the same method.


Select required option
Enter the options details, see 'Text Entry' or select the required setting
x 2
Repeat this process until all required options are set

Note: For the **Mail Delivery** option, select between **Leave Msg.** and **Delete Msg.**

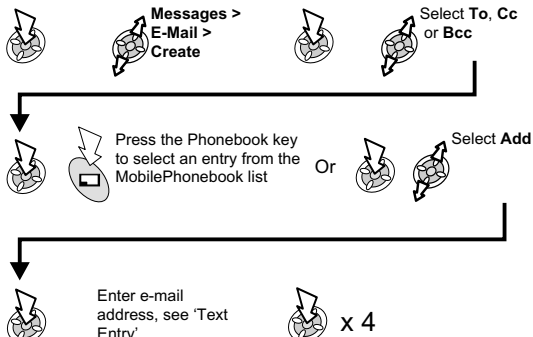
When **Bearer Type** is the selected option:



Creating a New E-Mail Message

Adding a recipient(s)

From **Idle** mode:

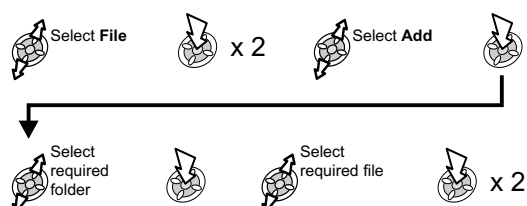

Messages > E-Mail > Create
Select To, Cc or Bcc
Press the Phonebook key to select an entry from the MobilePhonebook list
Or
Select Add
Enter e-mail address, see 'Text Entry'
x 4

Adding the Subject or Message

After adding the recipient(s):

Attaching files

After adding the recipient(s):



Sending and Receiving E-Mail Messages

Use this function to send and receive e-mails at the same time. Any messages awaiting to be sent, are sent. If there are any messages in your server mailbox they will be downloaded to the phone.

From **Idle** mode:

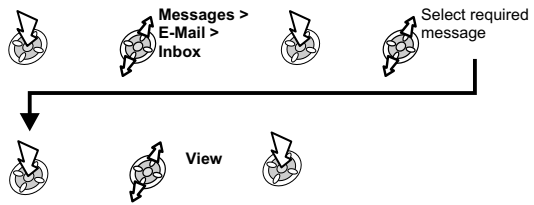
If there are any unsent messages in the **Outbox**, you will be prompted to send them.

If there are any new messages on the server, you will be prompted to receive them. The messages will be downloaded to the Inbox, with the number of messages displayed next to the **Inbox**.

Note: If no messages are sent or received and the connection is left idle, it will terminate after 60 seconds.

Reading a Received Message

From **Idle** mode:



Message Status

Messages have four possible states, each one is indicated by a different icon:

Indicates a message which has been read or sent.

Indicates an unread or pending message.

Indicates the message is locked.

Indicates a broken message that is too long for the phone or contains an attachment.

Received Message Options

With the message displayed:

- **Reply:** Compose a reply to the sender.
- **Reply to All:** Compose a reply to all the people who have been sent the message.
- **Forward:** Send the message on to another person.
- **Sort:** Sort all messages in the Inbox into a certain order.
- **Phonebook:** Save the senders address in your Phonebook.
- **Protect:** Lock the message against deletion.
- **Delete:** Delete the message.
- **Delete All:** Delete all messages from the Inbox.
- **Review:** View details of the message, e.g. file size (Kb).

Messages Setup Options

From **Idle** mode:

- **Recipient Group:** Enables you to preset the destination of E-Mail messages. There are 5 different recipient groups, allowing you to store up to ten destinations in each.
- **Signature:** You can insert essential information into outgoing messages, e.g. a disclaimer.
- **Auto Quote:** Enables you to attach text from the message that you are replying to. Set to **On** or **Off**.

Managing the Inbox and Outbox

Once the **Inbox** or **Outbox** store are full, any new messages received or created will overwrite existing messages from the oldest first. To prevent messages being overwritten each list should periodically be cleaned up, deleting any messages which are no longer required.
Important messages can have a lock applied to them so that they cannot be overwritten when the **Send/Receive** process is activated.

Call Information

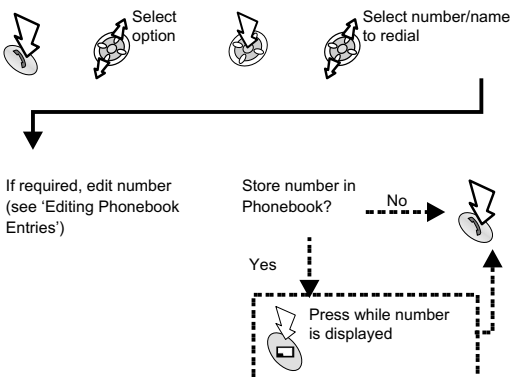
Recent Numbers

Recently dialled phone numbers will be stored in **Last Call**.

If Caller Identification is available, the caller's phone number for an answered call will be stored in the **Answered** menu and an unanswered call will be stored in the **Unanswered** menu. If Caller Identification is not available then calls will still be stored but will have the date and time attributed to them.

When the store is full the next phone number will overwrite the oldest.

From **Idle** mode:



Calling the Last Dialled Number

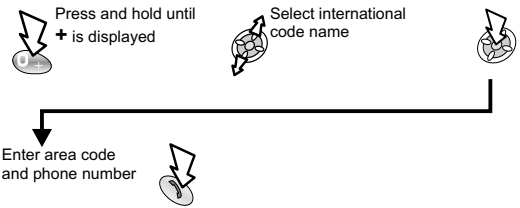
Returning an Unanswered Call

When the display shows that you have received calls but not answered them.

International Dialling

Using the automatic international access code (+) you will be able to dial international numbers without having to know the code for the international exchange.

From **Idle** mode:



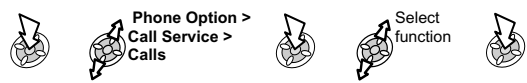
Notes: If the international code is known then it can be entered in the normal fashion followed by the area code and phone number.
Many countries / regions include an initial “0” in the area code. This should, in most cases, be omitted when dialling international numbers. If you have difficulties making international calls, contact your service provider.

Call Duration

Use the Calls submenu to display information as follows:

- Last Call - displays the duration and call charge if available, of the last call. Times are indicated as: hours (0-99), minutes (0-59), seconds (0-59) - HH:MM:SS.
- All Calls - displays the duration and call charge, if available, of Incoming and Outgoing calls. The lock code or PIN2 is required to reset the timer and call charge.
- Call Waiting - Check the Call Waiting status.
- Caller’s ID - Check the Caller’s ID status.
- Withhold ID - Access the Withhold ID status.

From **Idle** mode:



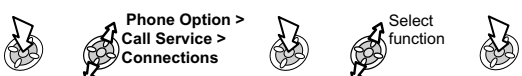
Note: The Calls function is SIM dependent. If the SIM does not support this function, then items under the Calls submenu will be found directly under the Call Service menu.

GPRS Call Duration

Use the Connections submenu to display information as follows:

- **Last Connection** - displays the duration and amount of data transfer of the last call. Times are indicated as: hours (0-99), minutes (0-59), seconds (0-59) - HH:MM:SS.
- **All Connections** - displays the accumulated duration and amount of data transfer. The lock code or PIN2 is required to reset the timer.
- **Call Priority** - determines whether an incoming voice call should interrupt a data call. Select between **On** and **Off**.

From **Idle** mode:



Note: The Connections function is SIM dependent.

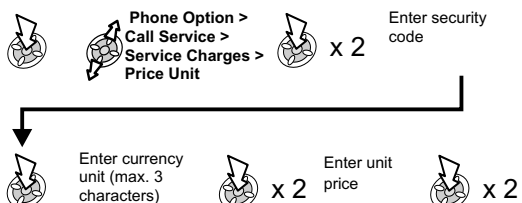
Call Charges

To maintain control over the cost of calls that are made, the phone can be set to restrict use to a finite number of units overall.

Setting the Unit Price

Firstly, a price per unit must be entered. This is the cost that the Service Provider charges for one unit of call time.

From **Idle** mode:



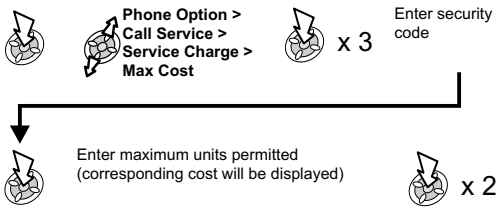
Note: The “Service Charges” function is SIM/Service provider dependent

Call Information

Setting the Maximum Unit Level

This function allows the user to pre-determine the maximum cost of calls made.

From **Idle** mode:

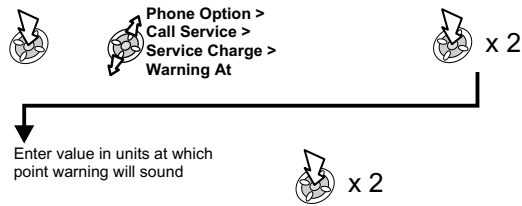


Note: The duration of one unit may vary during the day, peak and off-peak times. Therefore, the call charge can be calculated accordingly. However, call charge information may not give an accurate reflection of the tariffs charged by your service provider.

Setting a Warning Level

A warning can be set as an indication that the maximum cost is about to be reached. This function is SIM dependent.

From **Idle** mode:



Call Identification

In the Call Service menu, the Caller's ID and Withhold ID functions allow you to check the status of whether a Caller's Identification is sent or can be received.

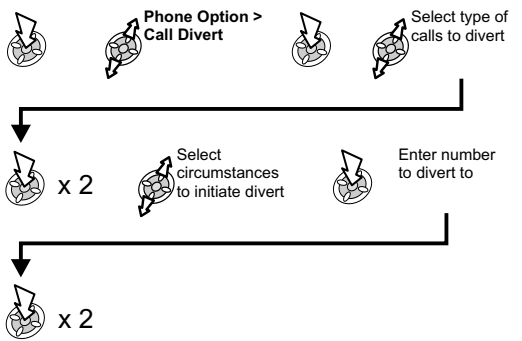
Note: When checking the status the phone must be registered with a network.

Advanced Operation

Diverting Calls

Voice, fax and data calls can be diverted using different circumstances and to different numbers. For example, you may wish voice calls to be diverted to Voicemail in the event that the phone is switched off.

From **Idle** mode:


Phone Option > Call Divert
Select type of calls to divert
x 2
Select circumstances to initiate divert
Enter number to divert to
x 2

Notes: When Divert is enabled the divert icon is displayed. When updating or checking the status of Call Divert the phone must be registered with a network.

Holding Calls and Call Waiting

Holding a Call

During a call:

Resuming a Call

Making a Second Call

Enter number / recall from Phonebook (see 'Retrieving a Number')

The first call will be placed on hold.

Receiving a Second Call

If Call Waiting is switched on a second call can be received. This is enabled from **Phone Option > Call Service > Calls > Call Waiting**.

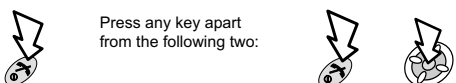
It is not possible to have more than one fax or data call at a time. All voice calls must be ended before you can make or receive a fax or data call.

Accept / Reject a Second Call

Note: If you accept the second call, the current call is placed on hold.

End Current Call and Receive Second Call

With a call waiting:



Operation During Two Calls

Swapping Between Calls

An icon indicates the current call.

End Current Call

The held call remains held.

End Both Calls

Call Transfer

With two calls connected, Call Transfer lets you connect them together, ending your connection and leaving the two callers to talk together.

When two calls are in use:

The two calls will be connected to each other and your call will be ended.

Note: Two call transfer cannot be utilised while in Multi-party mode.

Multi-party Calls

A Multi-party call enables three to five people to be in conversation at the same time. It is possible to swap between a Multi-party call and another call in the same way as with two separate calls.

Enabling Multi-party

With two calls connected (one active, one on hold):

A Multi-party call has been enabled, all three people will be able to talk to each other.

Adding to Multi-party

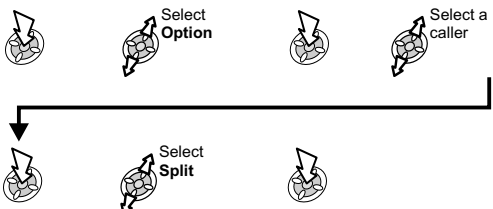
It is possible to add to the Multi-party call (up to a maximum of five). Either by making a call or accepting an incoming call. The call can then be merged into the Multi-party.

Note: When making a call or accepting an incoming call the Multi-party call will be placed on hold. The callers in the Multi-party call can continue to communicate with each other while on hold.

Splitting a Multi-party

The user can select an individual from the Multi-party and remove their connection. This enables you to talk privately without the participation of the rest of the Multi-party.

During a Multi-party call:



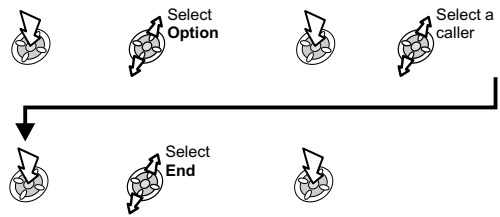
The selected caller will be split from the Multi-party call and the Multi-party call will be placed on hold (the remaining Multi-party call callers can still communicate).

Ending Multi-party Calls

The user can either select an individual in the Multi-party and end the call or end the entire Multi-party call. If a call is held, or another call is incoming then an individual call cannot be ended.

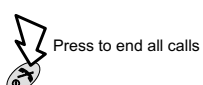
Ending a Single Connection

During a Multi-party call:



Ending all Connections

During a Multi-party call:



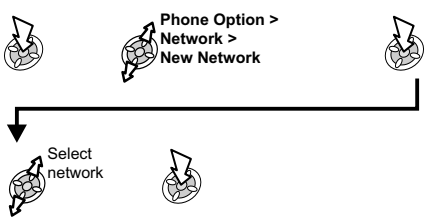
Changing to a New Network

When not in your home Country / Region, the user may use a network that is not directly subscribed to, this is called ROAMING.

National Law may not permit roaming in your home region.

The New Network function is used to manually select a network that is available in your current location.

From **Idle** mode:



An X will be displayed in the information area if you cannot register with the selected network.

When the Search Mode is set to Manual the phone will only use a selected network. If coverage is lost another network should be selected.

When the Search Mode is set to Automatic the phone will automatically reselect a new network in order to maintain optimum network availability. The Network List is used when the Search Mode is set to Automatic. The location numbers in the Preferred Network List show the search priority. Amend the List as follows:

- **Insert** - stores a new network in the currently displayed location and then moves other networks down.
- **Edit** - overwrites the old network with a new one.
- **Add** - stores a new network at the end of the list.

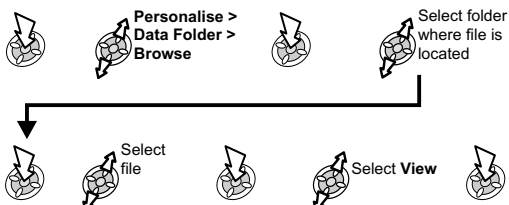
Data Folder

The data saved in GD87 is located in the Data Folder. There are six pre-defined folders (Camera, Sound, Mail, Browser, Received, Phonebook) plus five folders you can customise. The maximum capacity of Data Folder is 1MB, holding up to 900 files. The maximum size of a file is 50 kilobytes.

Note: Changing SIM does not affect the contents of stored data.

Display Images and Text

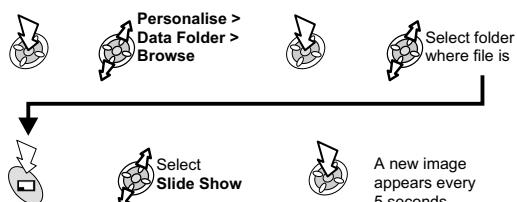
From **Idle** mode:



Note: The phone cannot display a file that is not in one of the supported formats.

Display Images Continuously

You can display all the images and animations stored in one folder in the order listed, as a slide show.



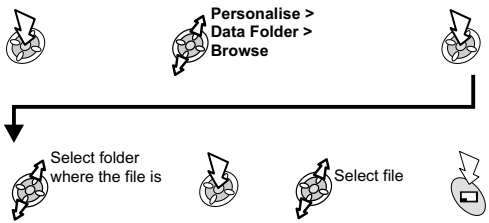
Press to stop slide show (not while an animation is being shown):

To move to next image press any key except:

Melodies, Music and Images

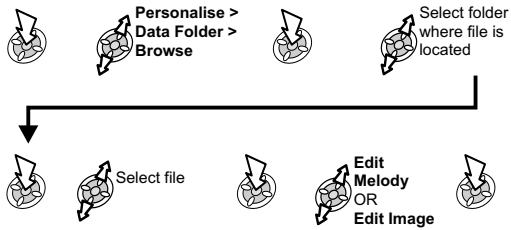
Playing Melodies and Music

From **Idle** mode:



Edit Melodies and Images

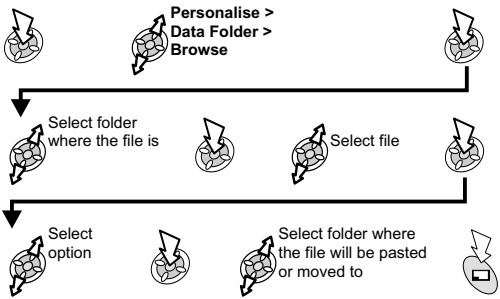
From **Idle** mode:



Note: You cannot edit polyphonic ringtones, music files and files that cannot be forwarded or saved.

Copy & Paste and Move Files

From **Idle** mode:

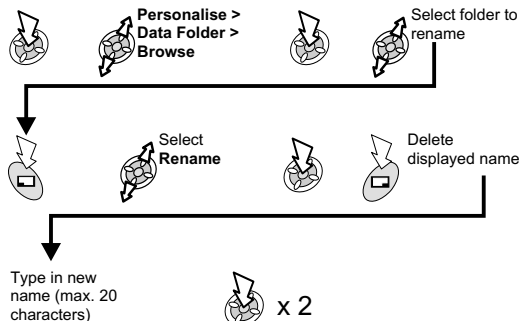


- You **cannot**:
  - copy a file that cannot be forwarded or saved;
  - move or paste a file into a folder defined for a different file type.
  - move files in Phonebook.
- You **can** :
  - move or paste a file into the folder it is copied from;
  - to select **Copy** or **Move** while the file is displayed.

Customise Folders

You can customise and rename the folders User1 to User5.

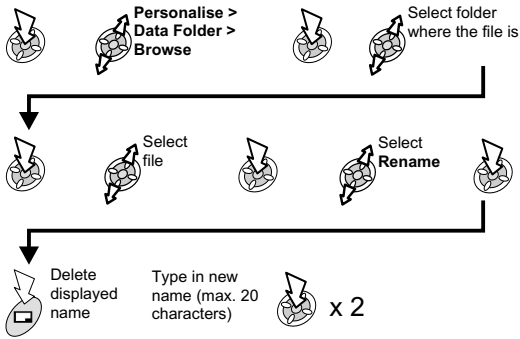
From **Idle** mode:



Note: Do not use special characters in the new name.

Rename Files

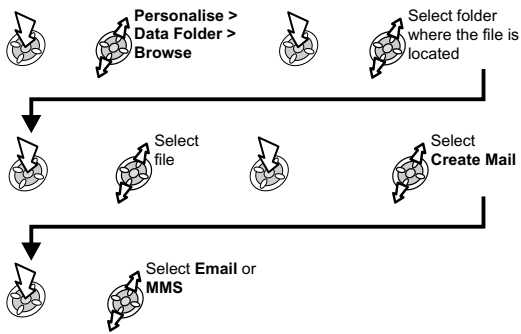
From **Idle** mode:



Note: Do not use special characters in the new name.

Jump to Create Mail Screen from Files for Mail Attachment

From **Idle** mode:

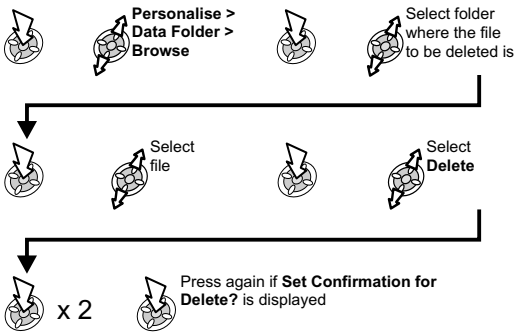


The phone will display the 'Create Mail' screen.

- You **cannot**:
  - copy a file that cannot be forwarded or saved;
- You **can:**
  - **to select Create Mail while the file is displayed.**

Delete Files

From **Idle** mode:



Transfer Files via Infrared

You can transfer images and sound files to another GD87 or other devices with an infrared port. See 'Infrared' for details.

Display File Information

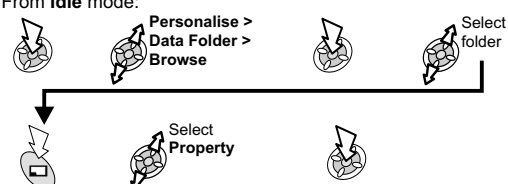
Display Number of Saved Files

From **Idle** mode:

Display Folder and File Property

Folder Property

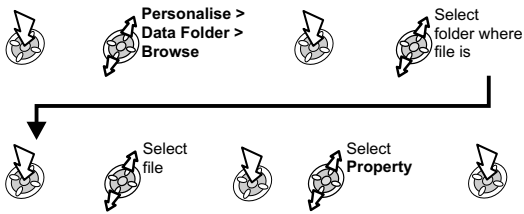
You can see the name of the folder and the number of files stored in the folder.
From **Idle** mode:



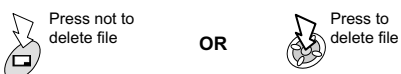
File Property

You can see the file name, date, file size, whether the file can be forwarded and whether it can be saved.

From **Idle** mode:



Note: If there is not enough memory capacity in the folder when you try to save a file, the phone will display:
Folder is Full. Delete Data? Either:

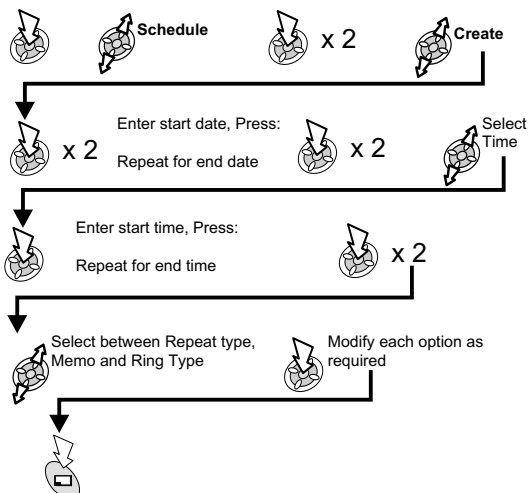


Schedule

The Scheduler can be used to register reminders for personal events as well as planning holiday periods.

Caution: Ensure that any settings made in the Scheduler will not contravene any regulations whereby the phone may automatically power on when in an aircraft or medical facility etc. - see 'Important Information'.

Creating a Reminder
From **Idle** mode:

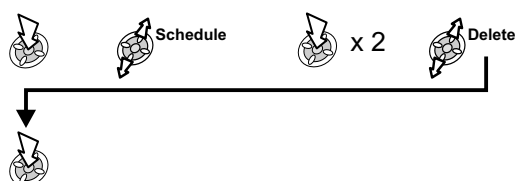


Viewing Reminders

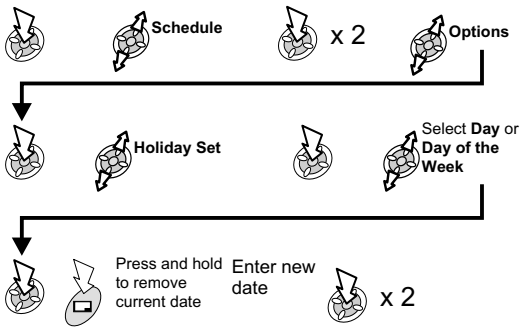
When in the Schedule menu:

Deleting a Reminder

From **Idle** mode:



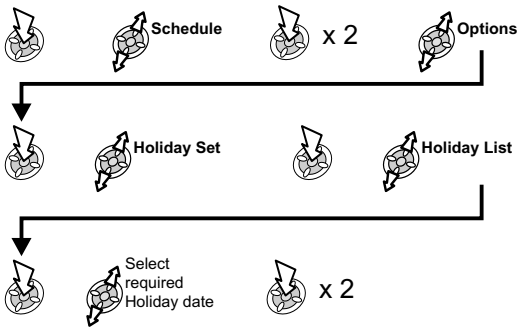
Setting a Holiday Reminder



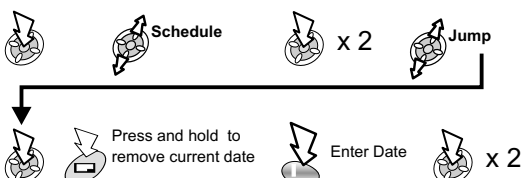
Note: Repeat for each day of holiday as required.
To indicate that holiday reminder has been set, the date(s) will be emboldened Red.

Deleting Holiday Reminders

From **Idle** mode:



Jump to Date



Games

Embedded Games ( )

Follow the on-screen instructions to play the game.

Downloadable Games ( )

The Downloadable Games menu enables you to use one factory embedded game and download another game from the games catalogue.

Note: A downloaded game will overwrite the previously downloaded game.

Follow the on-screen instructions to play the game.

WAP Browser

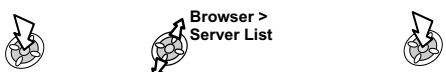
The WAP (Wireless Application Protocol) Browser allows access to the Internet services supported by the network, such as news, weather reports and sport.

Server Profile Settings

Before accessing the Internet, the SIM must be data enabled and the configuration information must be entered.

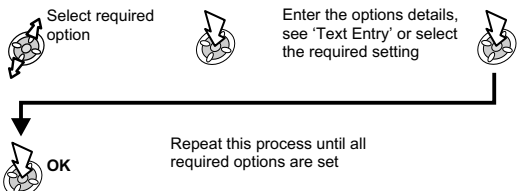
Note: This configuration information may have been pre-programmed by your service provider. Modifying these settings may cause failure of the Browser.

From **Idle** mode:

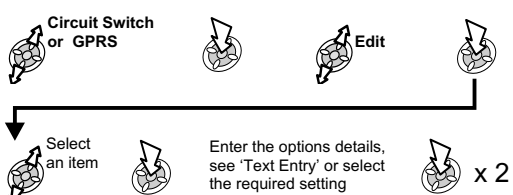


Five servers may be manually setup on the phone.

The Profile Name, Home URL, Linger Time, Gateway IP, Security and Bearer Type are all set using the same method.


Select required option
Enter the options details, see 'Text Entry' or select the required setting
OK
Repeat this process until all required options are set

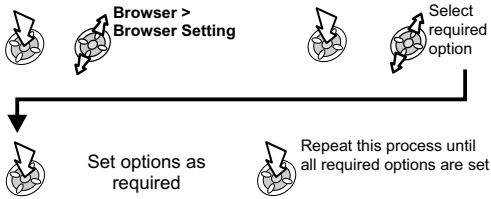
When **Bearer Type** is the selected option:



Browser Setting

Browser setting allows customisation of the browser interface for items such as colour and font size.

From **Idle** mode:

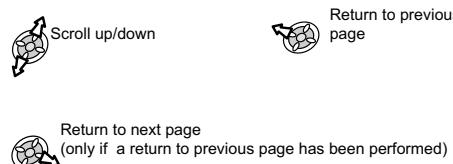


Activating the Browser

From **Idle** mode:

The first time that the browser is activated, the Home URL content displays (as defined by your service provider). The Home URL is recalled from the cache each time the browser is activated. (Cache is the phone's memory that stores previously downloaded content).
When recalling content from cache the phone remains off-line (not connected to a WAP server).

Navigating Content



Navigating Content(Continued)

When linked text (underlined text) is highlighted:

⊞ indicates a table - with **View** displayed:

☒ Indicates an image which cannot be displayed

Indicates on-line browsing (Non Secure)

Indicates on-line browsing (Secure)

The Browser Menu

The Browser contains its own menu which is applicable when content is currently being displayed (either on-line or off-line).

When Menu is displayed at the bottom left of the display

- **Home Page**: Displays the Home URL content as defined by the network operator.
- **Current URL**: Display the current URL.
- **Enter URL**: Type in a URL directly to go to a known site.
- **Page Memo**: Saves the contents displayed on the current screen.
- **Save Image**: Saves the image displayed on the current screen.
- **Secure Information**: Displays the information on the current session.
- **Images**: to display a page quicker, the images can be diabled
- **Reload**: Will reload and update the current page.
- **Reset**: Deletes the content in cache and displays the Home URL content.
- **Exit**: Deactivates the Browser.

Using Bookmarks

To prevent the need to re-enter the URL each time, frequently accessed pages may be bookmarked.

Adding a Bookmark

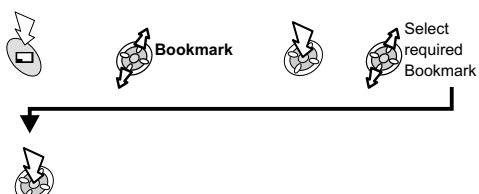
While viewing content:

Recalling pages using Bookmarks

While viewing content:

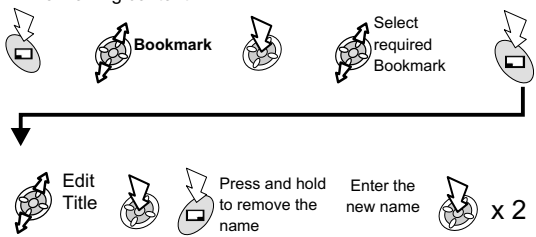
Renaming a Bookmark

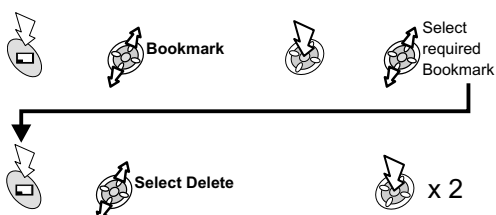
While viewing content:



Deleting Bookmarks

While viewing content:





Deactivating the Browser

When browsing on-line:

To review cache off line

When browsing off-line:

To return to **Idle** mode

Last Error

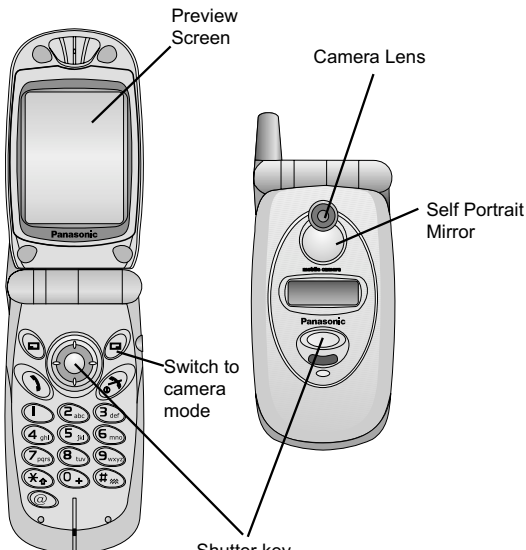
If an error should occur when using the Browser, use this function to inform the network operator of the last error which occurred with the phone to assist with a diagnosis of the problem.

Browser >
Last Error

Camera Operation

You can take pictures with the built-in camera, send them in a multimedia (MMS) message or use them as Wallpaper.

Camera Controls



Taking a Picture

From **Idle** mode:

View the required subject on the Preview Screen

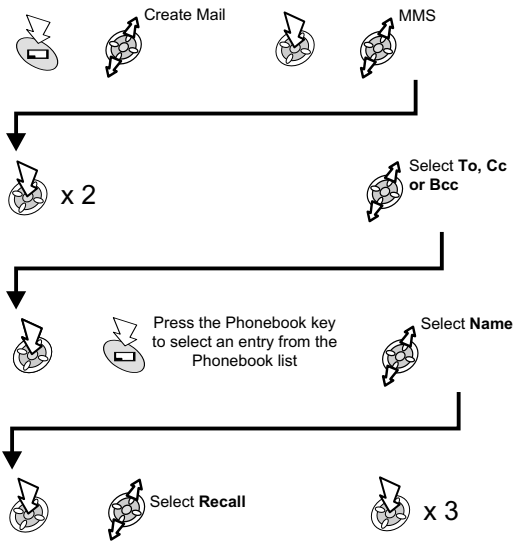
The captured image is shown on the Preview Screen.

To Store the image in the Data Folder:

To return to camera operation without storing the image:

Note: If the phone does not detect any operation for three minutes while in Camera Operation, it will return to Idle mode. If a captured image is showing on the preview screen, it is temporarily saved. If you turn off power while the image is saved temporarily, the image will be deleted.

Sending a picture by MMS



Add the subject and message, if required. (See MMS: Creating a New Message.)

Note: If Save is selected, the message is stored in the Outbox to be sent or edited later.

Saving a Picture

Once a picture has been taken the picture will be saved to the Camera Folder. To use a saved picture as your personal wallpaper, see ‘Changing the Wallpaper’.

Self Portrait

The shutter button located on the top part of the clam shell can be used to capture an image, for example, self portrait.

From **Idle** mode:

Close the phone, view the scene in the Self Portrait Mirror

Incoming Calls during Camera Operation

If an incoming call is received during Camera Operation, the phone will exit Camera Operation and switch to the incoming call. If a captured image is showing on the preview screen, it is temporarily saved.

On re-entering Camera Operation:

To Store the image in the Data Folder:

To return to camera operation without storing the image:

Zoom operation

The x2 zoom can be used whilst viewing in the Preview Screen:

To engage x2 Zoom

To return to Normal

Brightness adjustment

The Brightness of an image can be set both before and after taking the picture. Brightness can be increased or decreased by 2 steps either way.

To change Brightness while taking a picture

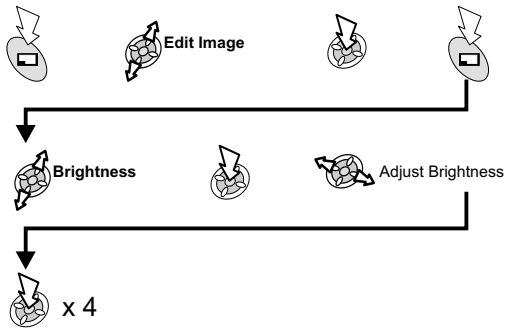
Whilst viewing in the Preview Screen:

To decrease the Brightness

To increase the Brightness

To change Brightness after taking a picture

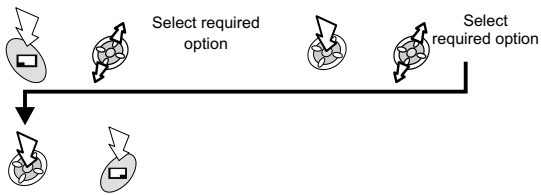
Whilst viewing the captured image:



Preview Screen Menu

It is possible to select from various extra settings or functions. Twilight Mode, Close Up Mode, Effect, Frame, Self Timer and Image Format are all set using the same method.

When the required subject is shown on the Preview Screen:



- **Twilight Mode**: Improves picture taking in low light conditions.
- **Close Up Mode**: For close up work (Macro mode).
- **Effect**: Choose from Sepia, Monochrome or Negative/Positive effects.
- **Frame**: Place a border around the image.
- **Self Timer**: Delaying the taking of an image.
- **Image Format**: Select from JPG Fine, JPG Normal, JPG Economy or PNG.
- **Data Folder**: A shortcut to the Data Folder, see 'Data Folders'.
- **Create Mail**: A shortcut to the Create Mail screen, see 'Messages'.

Additional Features

Desktop Handsfree

Desktop Handsfree allows you to hold a conversation without holding the phone to your ear.

Note: Do **NOT** hold the phone to your ear in Handsfree mode.

Swapping Between Handsfree and Handheld Calls

During a Handheld call:

Select **H'free**

During a Handsfree call:

x 2 to revert to Handheld operation

To answer a call Handsfree:

Press and hold

Voice Memo (Dictaphone)

The Voice Memo feature allows you to record a two-way conversation during a call, and to use the phone as a Dictaphone. You can record up to 4 voice memos. The maximum length of each is 14 seconds.

Note: If a different SIM is installed any voice memos will be lost.
When all four memo storage areas are occupied, a new recording overwrites the oldest memo.

Caution: Security of a recorded message is your responsibility. You should ask for the other party's consent before recording.

Record a Voice Memo

From **Idle** mode:

Applications > Voice Memo > Record

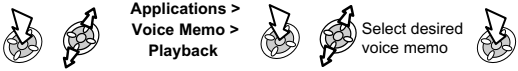
Notes: During a call, press Memo key. A tone will sound when recording starts and again when it stops.

Press to stop recording a memo

Press again to start recording next memo

Play Back a Voice Memo

From **Idle** mode:

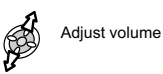


To stop playing:

Note: The Note Pad is available during playback - see 'Note Pad'

Volume Control during Playback

While playing back:

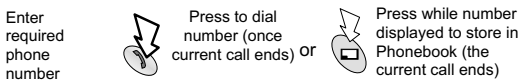


Delete Memo

Note Pad

During a call, numbers can be entered which you may wish to dial when the call has ended.

During a call:



DTMF Tones

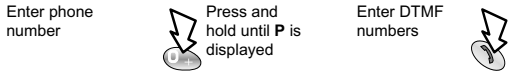
DTMF tones can be sent during conversation. These are often used to access voice mail, paging and computerised home banking. For example, you may need to input a number to remotely access voice mail messages. A phone number may be stored in the Phonebook with DTMF tones, allowing the number to be dialled upon recall and the DTMF number to be sent automatically.

Send DTMF Tones During a Call

Enter digits:

Pause Dial

Using pauses allows you to send DTMF tones automatically.



When the call is successful DTMF tones will be sent after 3 seconds.

If the DTMF tones are unsuccessful then the destination of your call may require that the length of the tones be increased, as follows:

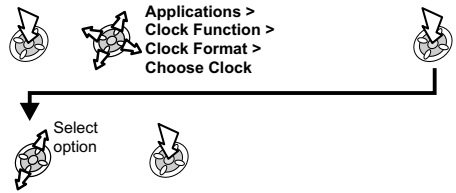
From **Idle** mode:

Second Clock

The Second Clock can either be set to be auto-adjusting, whereby the second time is set from the code of the current network, or a specified time difference can be set manually.

Setting Clock Display

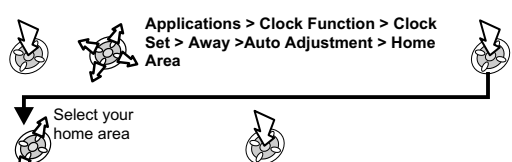
From **Idle** mode:



Setting Auto Adjustment

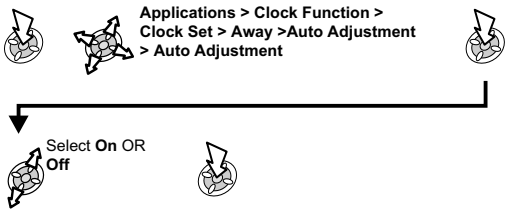
When travelling to a country / region which has a roaming agreement with your home network, the Second Clock is adjusted automatically. However, for countries / regions which have several time zones in the same area manual adjustment is required.

From **Idle** mode:



Enabling Auto Adjustment

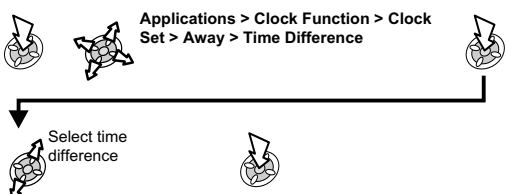
From **Idle** mode:



Repeat to disable Auto Adjustment.

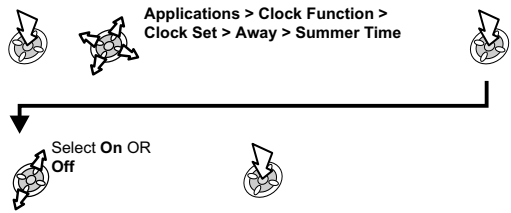
Setting Manual Adjustment

From **Idle** mode:



Setting Summer Time

From **Idle** mode:



Once enabled, following the same procedure will disable Summer Time.

Accessory Related Features

When Auto Answer is switched on, and Personal Handsfree is connected, a call will be answered without pressing any keys. Any call waiting should be answered in the normal way.

This is also applicable to the Handsfree Car Kit accessory.

See the documentation provided with the relevant Accessory for operation details.

Text Entry

You can use alphanumeric characters to enter details into the Phonebook, to create text, e-mail messages, etc.

	Text Mode				
Key	T9®	Normal (ABC)	Greek (ΑΒΓ)	Extended (AÄÅ)	Numeric (0 - 9)
0 +	Alternatives	+_	+_	+_	0+P_
1	Punctuation	.@/':;¥#+-",!¡?¿£()[]{}'%&\^~|◇=€£$¥¤§			1
2 abc	abc	ABCabc	ΑΒΓ	AÄÅÆBCÇaäåæabc	2
3 def	def	DEFdef	ΔΕΖ	DEéFdeéèf	3
4 ghi	ghi	GHIghi	ΗΘΙ	GHIghiì	4
5 jkl	jkl	JKLjkl	ΚΛΜ	JKLjkl	5
6 mno	mno	MNOmno	ΝΞΟ	MNÑOöØmnñoöøò	6
7 pqrs	pqrs	PQRSpqrs	ΠΡΣ	PQRSpqrsß	7
8 tuv	tuv	TUVtuv	ΤΥΦ	TUÜVtuüùv	8
9 wxyz	wxyz	WXYZwxyz	ΧΨΩ	WXYZwxyz	9
*	Shift/Lock	Shift/Lock		Shift/Lock	⁂
#	Space	Space	Space	Space	#

➢ Press the key once to create a single capital letter; press twice to enter all subsequent characters as capital letters; press again to return to lower case letter entry.

Text Input

T9®

Using this mode of text entry dramatically reduces the number of key presses required:
Press a key once for any letter you require on that key. The desired letter may not be displayed. Continue pressing other keys until the end of a word is reached; then check that the word has been typed correctly before continuing on to the next word. If the combination of letters typed has produced a word which is not the one you require, press 0+ or up or down repeatedly until the correct word is displayed. Continue to the next word.

If the word you require is not in the internal dictionary then it should be entered using the Normal (ABC) mode.

Other Text Modes

Select text mode (displayed in Information Area on screen)

Normal (ABC), Greek (ΑΒΓ) or Extended (AÄÅ) modes: each time a key is pressed in quick succession it displays the next character available on that key. Releasing the key or pressing another key enters the character displayed. The cursor moves to the next position.

Editing Text

Move up / down one text line

Move left / right one character

Delete character to left of the cursor

Press and hold to delete the current line

When the cursor is moved over a character and another key pressed this will insert the new character immediately before the selected character.

T9® is a trademark of Tegic Communications Inc.T9® Text Input is licused under one or more of the following: U.S. Pat. Nos. 5,818,437, 5,953,541, 5,187,480, 5,945,928, and 6,011,554; Canadian Pat. No. 1,331,057; United Kingdom Pat. No. 2238414B; Hong Kong Standard Pat. No.HK0940329; Republic of Singapore Pat. No. 51383; Euro.Pat. No. 0 842 463 (96927260.8) DE/DK, FI, FR, IT, NL, PT.ES, SE, GB; and additional patents are pending worldwide.

You could enter text using the character menu:

Press and hold a Left soft key (1~9) to enter menu

Highlight character

To return to message screen

Press to select character

Troubleshooting

Should any problem persist contact your dealer.

Problem	Cause	Remedy
Phone will not switch on		Check that the battery is fully charged and correctly connected to the phone
Extremely short battery life for a new battery	The network you are using and the condition of the battery can affect battery life	
Short battery life for an old battery	The battery has worn out	Replace with a new fully charged battery
The charging indicator does not light, the battery level indicator does not appear and the phone cannot be switched on when charging	The battery is not attached to the phone or when the battery has been deeply discharged the phone will take a short time until the indicator lights	Leave the phone charging the battery for a few minutes before the indicator is lit and attempting to switch it on
Battery fails to charge	The battery is not attached to the phone	Ensure the battery is fitted to the phone prior to commencing charging.
	Battery has been connected to the phone after the Fast Travel Charger has been switched on	

Calls cannot be made	The phone is locked	Unlock the phone
	Outgoing calls are barred	Disable the outgoing call barring, or barred dial
	The phone is not registered to a network	Move to a coverage area and operate your phone after it has registered with a network.
Calls cannot be made from Fixed Dial Store		Check your SIM supports Fixed Dial Check if the Fixed Dial is switched on Check the phone number is stored in the Fixed Dial
Calls cannot be received	The phone is not switched on	Switch the phone on
	Incoming calls are barred	Disable the incoming call barring
	The phone is not registered to a network	Move to a coverage area and operate your phone after it has registered with a network.
Emergency calls cannot be made	You are not in a GSM coverage area	Check that the antenna symbol is displayed - move to a coverage area and operate your phone when the antenna symbol is displayed
Phone numbers cannot be recalled from Phonebook	The phone is locked	Unlock the phone
	Phone number has been restricted	Switch off restriction

Important Error Messages

These are some of the most important error messages which may be displayed:

Area Not Allowed	Roaming in the selected area is not allowed
Network Not Allowed	Roaming with the selected network is not allowed
Security Failure	The network has detected an authentication failure because your SIM is not registered with that network - contact your service provider
SIM Blocked / Contact Service provider	The SIM is blocked because one of the PIN/PIN2 unblocking keys (PUK/PUK2) has been entered incorrectly ten times - contact your service provider
SIM Error	The phone has detected a problem with the SIM - switch the phone off and then back on; if the message is still displayed contact your service provider
SIM Invalid	The SIM has failed one or more of the SIM personalisation checks - contact your service provider
Function Unavailable	The selected feature is either not supported by the SIM or is not available with the current subscription - contact your service provider
PIN2 Invalidated	The PIN2 is blocked permanently because the wrong PUK2 has been entered ten times, services controlled by PIN2 cannot be used - contact your service provider
Message Rejected Store Full	A message has been received but the message store is full - to receive messages, delete some of the currently stored messages or set messages to Auto Delete
Phone Number Too Long (Max:20)	The edited or newly created Phonebook number is too long for the SIM

Warning Store Full Continue?	The message area is full. Your messages cannot be stored until some of the currently stored messages are deleted
Verification Failure	On changing the phone lock code, verification of the new code is incorrect - retry changing the lock code with correct verification
Incorrect Lock Code	Disabling or enabling the lock code has failed due to incorrect entry of the lock code - re-enter lock code
Incorrect PIN / PIN2 / PUK / PUK2	The entered code is incorrect - re-enter code correctly
Auto Redial List Full	Redial list of unsuccessfully dialled numbers is full - switch the phone off and then on again

Glossary of Terms

APN	Access Point Name. Directs the user to the gateway or the required service.
Cut	Permanently removes selected text from short text message
Copy	Copies selected text from short text message without removing it from the original message
CHAP	Challenge Handshake Authentication Protocol. A security feature for the GPRS network.
DTMF Tones	Dual Tone Multi-Frequency tones allow you to communicate with computerised phone systems, voice mailboxes etc.
GPRS	General Packet Radio Service. The Technology the phone uses.
GSM	Global System for Mobile Communications. The name given to the advanced digital technology that your phone uses.
Network Operator	The organization responsible for operating a GSM network.
PAP	Password Authentication Protocol. A security feature for the GPRS network.
Password	Used for the control of the Call Bar. Supplied by your service provider.

PIN	Personal Identification Number used for SIM security. Supplied by your service provider. If the PIN is entered incorrectly 3 times, the PIN will be blocked.
PIN2	Personal Identification Number used for the control of Fixed Dial Store and Call Charge metering. Supplied by your service provider. If the PIN2 is entered incorrectly 3 times, the PIN2 will be blocked.
PUK/PUK2	PIN/PIN2 Unblocking Key. Used to unblock the PIN/PIN2. Supplied by your service provider. If the PUK/PUK2 is entered incorrectly 10 times, the PUK/PUK2 will be blocked.
Registration	The act of locking on to a GSM network. This is usually performed automatically by your phone.
Roaming	The ability to use your phone on networks other than your Home network.
Service Provider	The organization responsible for providing access to the GSM network.
SIM	Subscriber Identity Module. A small smart-card which stores unique subscriber and user-entered information such as Phonebook and Short Messages. Supplied by your service provider.
WAP	Wireless Application Protocol. The communication standard which enables you to download resources from the Internet to your phone

Specifications

Bands supported: . . . . . GSM900 Class 4
GSM1800 Class 1
GSM1900

Standby Time (hrs): . . . . . 75 - 220

Note: Talk and Standby time will be dependant upon network condidtions, SIM usage and battery condition.

Talk Time (hrs): . . . . . 1.6 - 7

Temperature Range
Charging: . . . . . +5ºC - +35ºC
Storage: . . . . . -20ºC - +60ºC

Weight: . . . . . 103g (including battery)

Dimensions:
Height: 97.5mm
Width: 49mm
Depth: 23mm

Supply Voltage: . . . . . 3.7V DC, 720 mAh Li-ion

Antenna: . . . . . Fixed

Charge Time: . . . . . Up to 90 Min

Note: Charging time will be dependant on usage and battery condition.

SIM Type: . . . . . 3V only

Phonebook Memory: . . . . . 200 + SIM

Animation Themes: 1

Voice Memo & Dictaphone: . . 4 x 14 seconds

User Composed Melody: . . . 1

Games: 1

Backlight colours: . . . . . 1 (White)

Ringtones: . . . . . 15 Fixed;
. . . . . (Varies depending on Data Folder)

Scheduler: . . . . . Up to 100 Entries

Alarms: 4

Graphics Formats Supported: . GIF87a, GIF89, JPEG,
. . . . . WBMP, BMP, PNG

Maximum Graphics Size: . . . 50kB

Graphics Storage Capacity: . . 1Mb

EU Warranty

EU/EEA - Wide guarantee is applicable in the EU/EEA and Switzerland.

Panasonic GSM European Service Guarantee Conditions

Dear Customer,
Thank you for buying this Panasonic digital cellular telephone. The Panasonic GSM European Service Guarantee only applies while traveling in countries other than where the product was purchased. Your local guarantee is applicable in all other cases. If your Panasonic GSM telephone requires service while abroad, please contact the local service company shown on this document.

The Guarantee
The applicable period of the European wide guarantee for GSM is generally 12 months for the main body and 3 months for the rechargeable battery. With respect to a product used in a country other than a country of purchase, notwithstanding what is stated in the conditions below, the customer will benefit, in that country of use, from these guarantee periods of, respectively, 12 and 3 months, if these conditions are more favorable to him than the local guarantee conditions applicable in such country of use.

Conditions of Guarantee
When requesting guarantee service the purchaser should present the warranty card together with proof of purchase, to an authorised service centre.
The guarantee covers breakdowns due to manufacturing or design faults; it does not apply to other events such as accidental damage, however caused, wear and tear, negligence, adjustment, modification or repair not authorised by us.
Your sole and exclusive remedy under this guarantee against us is the repair, or at our option the replacement, of the product, or any defective part or parts. No other remedy, including, but not limited to, incidental or consequential damage or loss of whatsoever nature shall be available to the purchaser.

This is in addition to and does not in any way affect any statutory or other rights of consumer purchasers. This guarantee applies in countries shown on this document at the authorised service centres detailed for that country.

UK

Service Centres in England
Tel. +44 8705 159159

IRL

Service Centres in Ireland
Tel: +353 1 2898333

D

Panasonic Service Center Dresden
SERKO GmbH
Großenhainer Straße 163
01129 Dresden
Tel. +49 (0)351/ 85 88 477

Panasonic Service Center Cottbus
Petsch Kundendienst GmbH
Am Seegraben 21
03058 Gross-Gaglow
Tel. +49 (0)355/ 58 36 36

Panasonic Service Center Leipzig
KES Keilitz-Electronic-Service GmbH
Föpplstraße 19
04347 Leipzig
Tel. +49 (0)341/ 244 33 33

Panasonic Service Center ChemnitF
WPS Rundfunk- u. Fernsehservice GmbH
Fietenstraße 16
09130 ChemnitF
Tel. +49 (0)371/ 40 10 359

Panasonic Service Center Berlin
SERKO GmbH
Schwedter Straße 34a
10435 Berlin
Tel. +49 (0)30/ 44 30 322

EU Warranty

Panasonic Service Center Berlin
RUESS SYSTEMS
Thrasoltstraße 11
10585 Berlin
Tel. +49 (0)30/ 342 2013

Panasonic Service Center Rostock
warnow electronic service gmbh
An der Jägerbäk 2
18069 Rostock
Tel. +49 (0)381/ 82 016

Panasonic Service Center Hamburg
ELVICE Service GmbH
Spaldingstraße 74
20097 Hamburg
Tel. +49 (0)40/ 23 08 07

Panasonic Service Center Rendsburg
FERNSEH-DIENST B&W Service GmbH
Kieler Straße 41
24678 Rendsburg
Tel. +49 (0)4331/ 14 11-0

Panasonic Service Center Bremen
COM Elektronik Service GmbH
Rübekamp 50
28219 Bremen
Tel. +49 (0)421/ 691 80 69

Panasonic Service Center Hannover
COM Elektronik Service GmbH
Vahrenwalder Straße 311
30179 Hannover
Tel. +49 (0)511/ 37 27 91

Panasonic Service Center Magdeburg
SERKO GmbH
Ebendorfer Chaussee 47
39128 Magdeburg
Tel. +49 (0)391/ 289 90 69

Panasonic Service Center Düsseldorf
VTH GmbH
Kölner Straße 147
40227 Düsseldorf
Tel. +49 (0)211/ 77 90 25

Panasonic Service Center Essen
Bernd van Bevern GmbH
Heinrich-Held-Straße 16
45133 Essen
Tel. +49 (0)201/ 84 20 220

Panasonic Service Center Osnabrück
Petsch Kundendienst GmbH
Pagenstecherstraße 75
49090 Osnabrück
Tel. +49 (0) 541/ 68 038

Panasonic Service Center Wiesbaden
J. Hemmerling - VAD GmbH
Ostring 7
65205 Wiesbaden
Tel. +49 (0)6122/ 90 91 10

Panasonic Service Center Mannheim
N. Schaaf
Reichenbachstraße 21-23
68309 Mannheim
Tel. +49 (0)621/ 72 787-0

Panasonic Service Center Stuttgart
Hans Beck
Friedrich-List-Straße 38
70771 Leinfelden-Echterdingen
Tel. +49 (0) 711/ 94 701-0

Panasonic Service Center Reutlingen
Herbert Geissler
Lichtensteinstraße 75
72770 Reutlingen
Tel. +49 (0)7072 / 92 96-0

Panasonic Service Center München
G.Berghofer & W.Kaller GmbH
Helene-Wessel-Bogen 7
80939 München
Tel. +49 (0)89/ 318 907-0

Panasonic Service Center Augsburg
Klaus Bienek
Affinger Straße 4
86167 Augsburg
Tel. +49 (0)821/ 70 70 75

Panasonic Service Center Nürnberg
Herbert Geissler GmbH
Friedrich-Ebert-Straße 21
90537 Feucht
Tel. +49 (0)9128/ 70 67-0

Panasonic Service Center Eisenach
Blitz Electro-Electronic-GmbH
Bahnhofstraße 17
99817 Eisenach
Tel. +49 (0)3691/ 29 29 42 8

A

Service-Fentren in Österreich
Funk Fuchs GmbH & CoKg Unterhart 90
4642 Sattledt
Tel. +43 7244 733

Funktechnik Seissl
Dorf 79
6330 Schwoich
Tel. +43 5372 8217

Electro Oberndorfer
Linzer Straße 2-4
4840 Vöcklabruck
Tel. +43 6772 72889

Panasonic Austria Handelsges.mbH
Laxenburger Straße 252
1232 Wien
Tel. +43 222/61080

FR

CETELEC
FI de la Delorme
5 Avenue Paul héroult
13015 MARSEILLE
Tél. : 04 96 15 77 77
Tél. : 04 91 58 07 55

CORDON Electronique
BP 460
FI Taden
22107 DINAN CEDEX
Tél. : 02.96.85.82.20
Fax : 02.96.85.82.21

EASY REPAIR
26 rue des Cosmonautes
31400 Toulouse
Tél. : 05.62.71.48.14
Fax : 05.62.71.48.15

EASY REPAIR
22 boulevard des Brotteaux
69006 Lyon
Tél. : 04.72.83.02.02
Fax : 04.78.52.40.38

ELECTRONIQUE SERVICE
Avenue Figuières
FAC Font de la Banquière
34970 LATTES
Tél. : 04.67.15.96.30
Fax : 04.67.20.04.72

GENERAL ELECTRONIQUE
16 rue Joseph Cugnot
F.I. Bracheux
60000 BEAUVAIS
Tél. : 03.44.89.79.00
Fax : 03.44.05.16.96

Négoce Technique etMaintenance
40 boulevard Bessières
75017 PARIS
Tél. : 01.44.85.21.66
Fax : 01.42.29.60.05

S.B.E.
F.I. de la Liane
BP 9
62360 SAINT LEONARD
Tél. : 03.21.10.10.21
Fax : 03.21.80.20.10

NL

Service-centra in Nederlands

Panasonic-Centre Nederland
(Servicom bv)
P.O Box 16280
2500 BG
Den-Haag
Nederland
Tel. +31 703314314

Fonweg 60
2516 BM
Den-Haag
Nederland
Tel. +31 703314314

I

Per I Centri Assisitenza in Italia

Servizio Clienti

Tel. +39 02/ 67072556

E

Panasonic España, S.A.
Servicio de Atención a Usuarios:
Tel: 902 15 30 60

DK

For nærmeste servicecenter ring Panasonic Danmark

Tel. +45 43 20 08 50

S

Firmor I Sverige

Komrep
Rosenlundsgatan 4
411 20 Göteborg
Tel. +46 031-173354

Signalstyrkan
Kungsholmstorg 4
104 22 Stockholm
Tel. +46 08-6542500

CR service
Industribyn 3
232 37 Malmö
Tel. +46 040-430030

SF

Huoltokeskukset Suomessa:

KAUKOMARKKINAT OY
PANASONIC-HUOLLOT Kutojantie 4
02630 Espoo
Puh. +358 09 521 5151 Huolto
Puh. +358 09 521 5155 Varaosat Ja Tarvikkeet

SETELE OY
Vanha Viertotie 7
00300 Helsinki
Puh. +358 09 549100

PLAY-SHOP SERVICE Keskuskatu 3
00100 Helsinki
Puh. +358 09 27053626

EU Warranty

MEGAFIX KY
Louhenkatu 9
74100 Iisalmi
Puh. +358 017 14631

T: MI.M.HAAPOJA
Miilukatu 7
40320 Jyväskylä
Puh. +358 014 677121

OUTOKUMMUN PUHELIN Pohjoisahonkatu 9
83500 Outokumpu
Puh. +358 013 562211

SETELE OY
Rengastie 31
60100 Seinäjoki
Puh. +358 06 4148344

TURUN J-MARKKINAT OY Tuureporinkatu 6
20100 Turku
Puh. + 358 02 2332685

N

Servicesenter I Norge

Norsk Elektronikksenter
Fetveien 1
2007 Kjeller
Tlf: +47 63 80 45 00

Panasonic Norge AS
Østre Aker vei 22
0508 Oslo
Tlf: +47 22 91 68 00

GR

Κέντρα τεχνικής υποστήριξης

INTERTECH S.A.
International Technologies
Αφροδίτης 26, 167 77 Ελληνικό
Ταχ. Θυρ.: 738 21, 167 10 ΕΛΛΗΝΙΚΟ
Τηλ. Κέντρο: (01) 9692.300

Υποκατάστημα Βόρειας Ελλάδας:
Κ. Καραμανλή 11, 54638 ΘΕΣΣΑΛΟΝΙΚΗ
Τηλ. Κέντρο: (031) 245.840-3

P

Centros de Assistência em Portugal

PAPELACO, S.A.
Vale Paraiso - Ferreiras
8200 ALBUFEIRA
ALGARVE
Tel. +351 89 589960

PAPELACO, S.A.
Largo de Santos, 9
1200 LISBOA
Tel. +351 1 3970539

PAPELACO, S.A.
Largo do Tribunal, Lote 11
2400 LEIRIA
Tel. +351 44 28071

PAPELACO, S.A.
Rua Cidade de Santos, 31R/C
9000 FUNCHAL
MADEIRA
Tel. +351 91 231523

PAPELACO, S.A.
Rua do Outeiro,
Lote 25 - Gemunde
4470 MAIA
PORTO
Tel. +351 2 944 0354/9

PAPELACO, S.A.
Rua Major Leopoldo da Silva,
Lote 3
3500 VISEU
Tel. +351 32 424771

B

Centres de service après-vente en Belgique

BROOTHAERS
Hoevelei 167
2630 AARTSELAAR
Tel. +32 03/887 06 24

HENROTTE
Rue du Campinaire 154
6240 FARCIENNES
Tel. +32 071/39 62 90

PIXEL VIDEOTECH
Rue St Remy 7
4000 LIEGE
Tel. +32 041/23 46 26

DELTA ELECTRONICS
Rue P.d'Alouette 39
5100 NANINNE
Tel. +32 081/40 21 67

ELEKSERVICE FEYS Houthulstseweg 56
8920 POELKAPELLE
Tel. + 32 057/48 96 37

AVS WAASLAND Lavendelstraat 113
9100 ST NIKLAAS
Tel. +32 03/777 99 64

A.V.T.C SA
Kleine Winkellaan 54
1853 STROMBEEK-BEVER Tel. + 32 02/267 40 19

RADIO RESEARCH
Rue des Carmélites 123
1180 BRUXELLES
Tel. +32 02/345 68 56

VIDEO TECHNICAL SERVICE
Av. du Roi Albert 207
1080 BRUXELLES
Tel. +32 02/465 33 10

SERVICE CENTER Kapellestraat 95
9800 DEINFE
Tel. +32 09/386 67 67

TOP SERVICE
Westerloseweg 10
2440 GEEL
Tel. +32 014/54 67 24

TELECTRO SC
Quai des Ardennes 50
4020 Liège
Tel. +32 041/43 29 04

L

Centres de service après-vente au Luxembourg

NOUVELLE CENTRAL RADIO
Rue des Jones 15
L - 1818 Howald
Luxembourg - Grand Duché
Tel. +32 40 40 78

CH

Jonh Lay Electronics AG
Littauerboden
6014 Littau
Phone: +41 41 259 9090 Fax: +41 41 252 0202

TR

TEKOFAKS ISTANBUL CENTRE OFFICE
KAĞITHANE CADDESI SEVİLEN SOKAK NO.
58 80340 ÇAĞLAYAN-ISTANBUL
Tel: 90-212-220 60 70 / 14 Lines
Fax: 90-212-220-60 94

ANKARA BRANCH OFFICE
GÜVEN MAH.FARABI SOKAK NO: 38/6 06690
KAVAKLIDERE- ANKARA
Tel: 90-312-467 30 94/2 Lines pbx
Fax: 90-312 467 85 38

İSMİR BRANCH OFFICE
CUMHURİYET BULVARI NO:330 K.:6 D.:608
SEVİL İŞ MERKEFİ 35520 ALSANCAK-İFMİR
Tel: 90-232-464 29 01 pbx
Fax: 90-232-422 67 44

BURSA BRANCH OFFICE
ŞEHREKÜSTÜ MAHLLESİ DURAK CADDESİ
NO.:7 BURSA
Tel: 90-224-225 10 46 pbx
Fax: 90-224-223 81 03

ADANA BRANCH OFFICE
REŞATBEY MAH.FUFULİ CAD.GÜLEK SİTESİ
A BLOK NO: 75b 01120 ADANA
Tel: 90-322-458 39 52 pbx
Fax: 90-322-453 21 32

TRABFON BRANCH OFFICE
MARAŞ CAD.MARAŞ APT.NO:51 D.:2 61200
TRABFON
Tel: 90-462-321 33 08
Fax: 90-462-326 37 78

ANTALYA BRANCH OFFICE
ALTINDAĞ MAH. 146 SOKAK ÖFKOÇ
APT.NO:9/1-2A ANTALYA
Tel: 90-242-243 23 70 / 3 Lines
Fax: 90-242-243 23 72

DİYARBAKIR BRANCH OFFICE
LİSE CADDESİ GÖKALP APT.NO: 18/A
DİYARBAKIR
Tel: 90-412-228 73 00
Fax: 90-412-223 59 00

EU Warranty

EU/EEA - Wide Guarantee: Conditions applicable in any country other than the country of original purchase.

When the purchaser finds the appliance to be defective, he should promptly contact the proper sales company or national distributor in the EU/EEA country where this guarantee is claimed, as indicated in the “Product Service Guide” or the nearest authorised dealer together with this guarantee and proof of date of purchase. The purchaser will then be informed whether:

(I) the sales company or national distributor will handle the repair service: or

(ii) the sales company or national distributor will arrange for trans-shipment of the appliance to the EU/EEA country where the appliance was originally marketed; or

(iii) the purchaser may himself send the appliance to the sales company or national distributor in the EU/EEA country where the appliance was originally marketed.

If the appliance is a product model which is normally supplied by the sales company or national distributor in the country where it is used by the purchaser, then the appliance, together with this guarantee card and proof of date of purchase, should be returned at the purchaser’s risk and expense to such sales company or distributor, which will handle the repair service. In some countries, the affiliated sales company or national distributor will designate dealers or certain service centres to execute the repairs involved.

If the appliance is a product model which is not normally supplied in the country where used, or if the appliance’s internal or external product characteristics are different from those of the equivalent model in the country where used, the sales company or national distributor may be able to have the guarantee repair service executed by obtaining spare parts from the country where the appliance was originally marketed, or it may be necessary to have the guarantee repair service executed the sales company or national distributor in the country where the appliance was originally marketed.

In either case, the purchaser must furnish this guarantee card and proof of date of purchase. Any necessary transportation, both of the appliance and of any spare parts, will be at the purchaser’s risk and expense, and there may be a consequent delay in the repair service.

Where the consumer sends the appliance for repair to the sales company or national distributor in the country of use of the appliance, the service will be provided on the same local terms and conditions (including the period of guarantee coverage) as prevail for the same model appliance in the country of use, and not the country of initial sale in the EU/EEA. Where the consumer sends the appliance for repair to the sales company or national distributor in the EU/EEA country where the appliance was originally marketed, the repair service will be provided on the local terms and conditions prevailing in the country of initial sale in the EU/EEA.

Some product models require adjustment or adaptation for proper performance and safe use in different EU/EEA countries, in accordance with local voltage requirements and safety or other technical standards imposed or recommended by applicable regulations. For certain product models, the cost of such adjustment or adaptation may be substantial and it may be difficult to satisfy local voltage requirements and safety or other technical standards. It is strongly recommended that the purchaser investigates these local technical and safety factors before using the appliance in another EU/EEA country.

This guarantee shall not cover the cost of any adjustments or adaptations to meet local voltage requirements and safety or other technical standards. The sales company or national distributor may be in a position to make the necessary adjustments or adaptations to certain product models at the cost of the purchaser. However, for technical reasons it is not possible to adjust or adapt all product models to comply with local voltage requirements and safety or other technical standards. Moreover, where adaptations or adjustments are carried out the performance of the appliance may be affected.

If in the opinion of the sales company or national distributor in the country where the appliance is used the purchaser has the necessary adjustments or adaptations to local voltage requirements and technical or safety standards properly made, any subsequent guarantee repair service will be provided as above indicated, provided the purchaser discloses the nature of the adjustment or adaptation if relevant to the repair. (It is recommended that the purchaser should not send adapted or adjusted equipment for repair to the sales company or national distributor in the country where the appliance was originally marketed if the repair relates in any way to the adaptation or adjustment).

This guarantee shall only be valid in territories subject to the laws of the European Union and the EEA.

Please keep this guarantee with your receipt.

Personal Settings

Use the table below to record your GSM/GPRS WAP settings.

Item	Provisioning Information Setting No 1	Provisioning Information Setting No 2	Provisioning Information Setting No 3	Provisioning Information Setting No 4	Provisioning Information Setting No 5
Name					
Home URL					
Linger time					
Gateway IP					
Security	Non secure / Secure (DeleteOne)				
Bearer Type					
Circuit Switched (GSM)					
Digital Dial #					
Analogue Dial #					
Circuit Type					
User ID					
User Password					
Packet Switched (GPRS)					
Access Point Name					
User ID					
User Password					
Authentication	Normal/Encrypted/None (PAP) (Chap)				

Menu Structure

Personalise

Language
Sounds
Display Settings
Vibration Alert
Quiet Mode
Data Folder
User Messages
Answer Function
DTMF Length
Key Guard
Short Cut Key
Defaults

Phonebook

Browse
Create
Voice Command
Alert Profile
Group Setting
Review
My Profile
Hot Key Dial

Game

Game 1

Browser

Start Browser
Bookmark
Enter URL
Page Memo
Push Message
Browser Setting
Server List
Last Error

Camera

Messages

SMS
MMS
E-mail

Phone Option

Call Service
Call Divert
Security
Network

Schedule

Applications

Games
Voice memo
Download Data
Clock Function
Calculator
Unit Converter
Infrared

Licencing

Tegic

T9® is a trademark of Tegic Communications Inc.T9® Text Input is licensed under one or more of the following: U.S. Pat. Nos. 5,818,437, 5,953,541, 5,187,480, 5,945,928, and 6,011,554; Canadian Pat. No. 1,331,057; United Kingdom Pat. No. 2238414B; Hong Kong Standard Pat. No.HK0940329; Republic of Singapore Pat. No. 51383; Euro. Pat. No. 0 842 463 (96927260.8) DE/DK, FI, FR, IT, NL, PT.ES, SE, GB; and additional patents are pending worldwide.

CE 0168

CP8 Patent

© Matsushita Mobile Communications Development of Europe Ltd 2002
Information in this document is subject to change without notice. No part of these instructions may be reproduced or transmitted in any form or by any means without obtaining express permission from Matsushita Mobile Communications Development of Europe Ltd

Notes

Index

A

Activating the Browser · · · · · 80
Alert Profiles · · · · · 27
Altering the Time/Date · · · · · 39
Answering a Call · · · · · 19
Automatic Redial · · · · · 18

B

Browsing the Phonebook · · · · · 24

C

Calculator · · · · · 41
Call Charges · · · · · 63
Call Duration · · · · · 62
Call Identification · · · · · 64
Call Transfer · · · · · 67
Caller ID · · · · · 19
Camera Controls · · · · · 84
Camera Operation · · · · · 84 - 87
Cell Broadcasts · · · · · 51
Changing the Language · · · · · 34
Changing the Ringtone · · · · · 32
Changing the security codes · · · · · 36
Changing the Wallpaper · · · · · 31
Changing to a New Network · · · · · 69
Charging the Battery · · · · · 14
Chat SMS · · · · · 51
Clock · · · · · 38
Creating a New MMS Message · · · · · 54
Creating a Text Message · · · · · 48
Currency Convertor · · · · · 42
Cut, Copy & Paste Message Text · · · · · 50

D

Data Folder · · · · · 70 - 75
Deleting a Reminder · · · · · 76
Deleting Holiday Reminders · · · · · 77
Desktop Handsfree · · · · · 88
Dialling Voice Dial Entries · · · · · 29
Diverting Calls · · · · · 65
DTMF Tones · · · · · 89

E

Earpiece Volume · · · · · 19
Editing Phonebook Entries · · · · · 25
Editing the Voice Dial Entries · · · · · 29
Emergency Calls · · · · · 18

F

Fitting, and Removing the Battery · · · · · 13
Fitting, and Removing the SIM · · · · · 13

G

Grouping Phonebook Entries · 26

H

Holding Calls and Call Waiting · · · · · · · · · · · · · · · · · · 65

I

Important Information · 5 - 6
Incoming Calls during Camera Operation · · · · · · · · · · · · · 86
Infrared · 43 - 46
Initially Setting the Home Time · · · · · · · · · · · · · · · · · · 38
International Dialling · 17
Internet E-Mail · 57

K

Key Guard · 36

L

Last Error · 83
Low Battery Warning · 14

M

Making Calls · 17
Managing Message Lists · 50
Menu System · 15
Messages · 47 - 60
Multimedia Message Service (MMS) · · · · · · · · · · · · · · · · 53
Multi-party Calls · 67
Muting the Alarm · 40
My Profiles · 30

N

Navigating Content · 80
Note Pad · 89

O

Operation During Two Calls · 66
Operation of Battery Level Indicator · · · · · · · · · · · · · · · 14
Overwrite Protection · 24

P

Parameters · 52
Phone Lock · 19
Preparing for Infrared Connection · · · · · · · · · · · · · · · · · 43

R

Recalling Voice Dial Entries · 29
Receiving Data via Infrared Port · · · · · · · · · · · · · · · · · · 44
Receiving Text Messages · 49
Restoring the Default Phone Settings · · · · · · · · · · · · · · · 35
Restricting Calls · 36
Retrieving a Number · 24

S

SAR · · · · · 7 - 8
Second Clock · · · · · 90
Self Portrait · · · · · 86
Setting a Holiday Reminder · · · · · 77
Setting a Power On/Off Time · · · · · 41
Setting Quiet Mode · · · · · 21
Setting Ring and Key Volume · · · · · 21
Setting the Alarm · · · · · 39
Setting the Backlight Time · · · · · 34
Setting the Clock for Summer Time · · · · · 39
Setting the Clock Format · · · · · 38
Setting the Key Tone Type · · · · · 21
Setting the Message Centre Number · · · · · 47
SMS · · · · · 47
Storing a number in the Mobile Phonebook · · · · · 23
Storing a number in the SIM Phonebook · · · · · 22
Switching the Phone On/Off · · · · · 17

T

Taking a Picture · · · · · 84
Text Entry · · · · · 92 - 93
The Browser Menu · · · · · 81

U

Using the PIN · · · · · 20
Using Voice Commands · · · · · 28

V

Viewing Reminders · · · · · 76
Voice Memo (Dictaphone) · · · · · 88

W

WAP Browser · · · · · 79 - 83

The Serial Number can be found on the outside of the phone under the battery. For your convenience we recommend that you note the following details as a record of your purchase.	
Part Number	
Serial Number	
Dealer Name	
Purchase Date	